

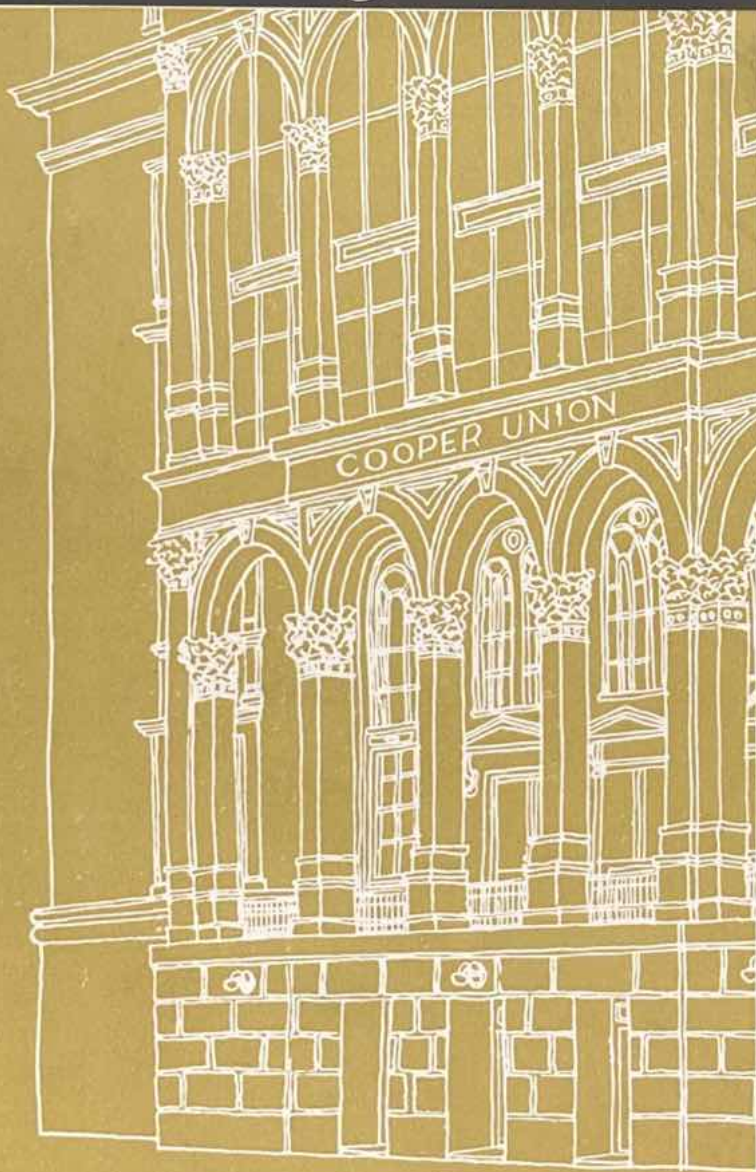
THE 1950

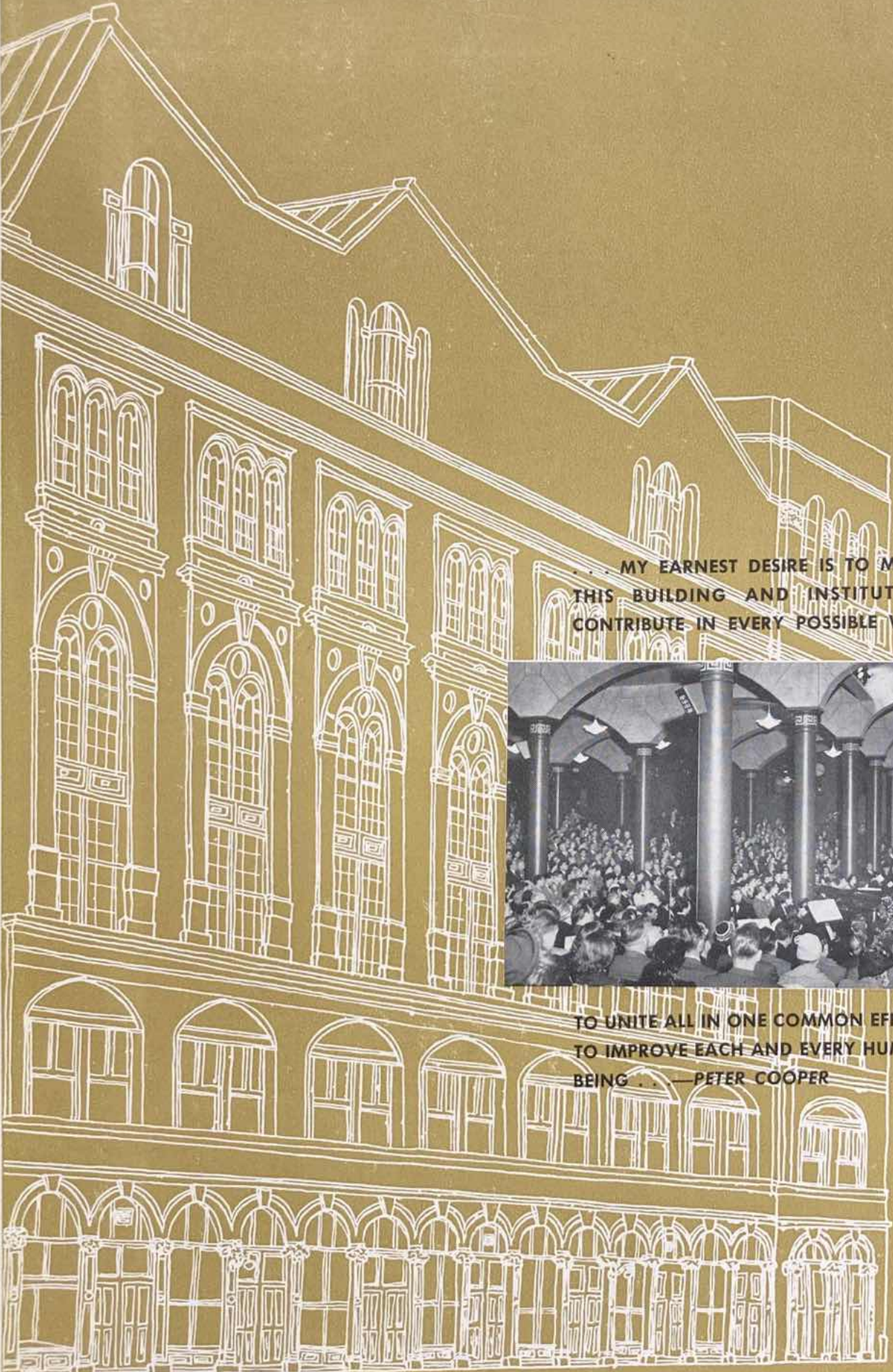
Cable

YEARBOOK OF THE COOPER UNION

THE 1950

Cable



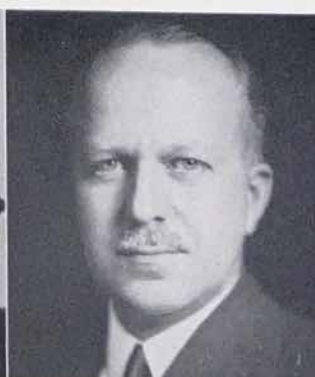
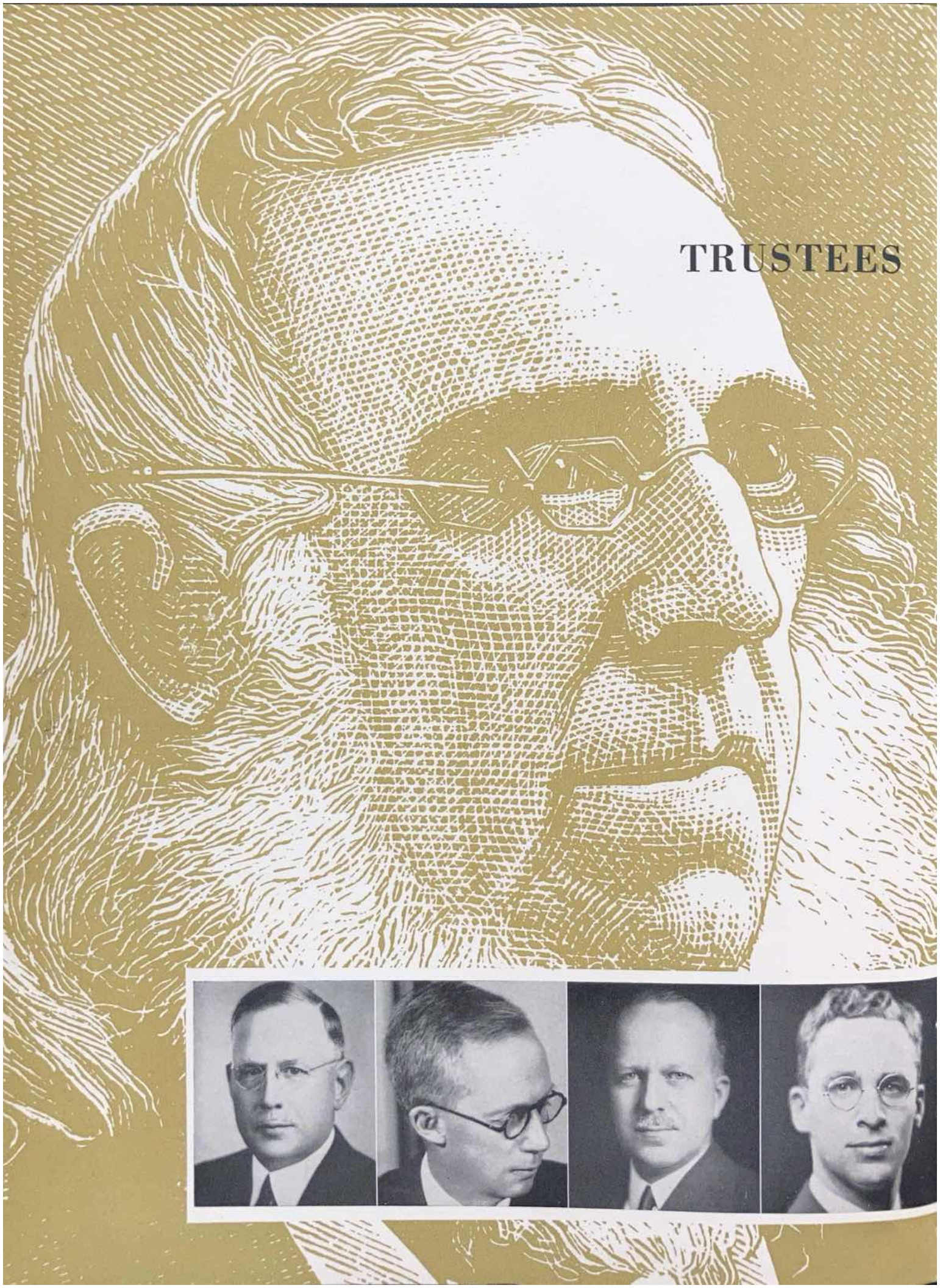


MY EARNEST DESIRE IS TO MAKE
THIS BUILDING AND INSTITUTION
CONTRIBUTE IN EVERY POSSIBLE WAY



TO UNITE ALL IN ONE COMMON EFFORT
TO IMPROVE EACH AND EVERY HUMAN
BEING . . . —PETER COOPER

TRUSTEES



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AND ADMINISTRATION

GANO DUNN
President

WALTER S. GIFFORD

ELIHU ROOT, JR.

BERKLIE HENRY

IRVING S. OLDS

EDWIN S. BURDELL
Director

DANA P. VAUGHAN

PETER COOPER

NORMAN L. TOWLE



The school year 1949-1950 will go down in the annals of the Cooper Union as a relatively hectic year as far as the administration is concerned. In the fall of 1949 the administration had its hands full with the organization and execution of two convocations in the honor of the 90th anniversary of the founding of the Cooper Union. These convocations seemed to provide the publicity department with enough big names for the next ninety years and when everything was all over everyone seemed to breathe more easily.

As far as student-faculty relations were concerned the year was a quiet and uneventful one. Compared to the previous year a golden age seemed to have arrived, with the wolves and the lambs eating grass peacefully alongside each other. There was no constitution to be pushed through by the Student Council, no Knickerbocker-Davis resolutions to irritate sensitive minds, no vilifications of instructors in student publications and a complete absence of the Pioneer's sly eroticism which in previous years had sometimes begun to erode the virginal purity of some of Cooper's younger students.

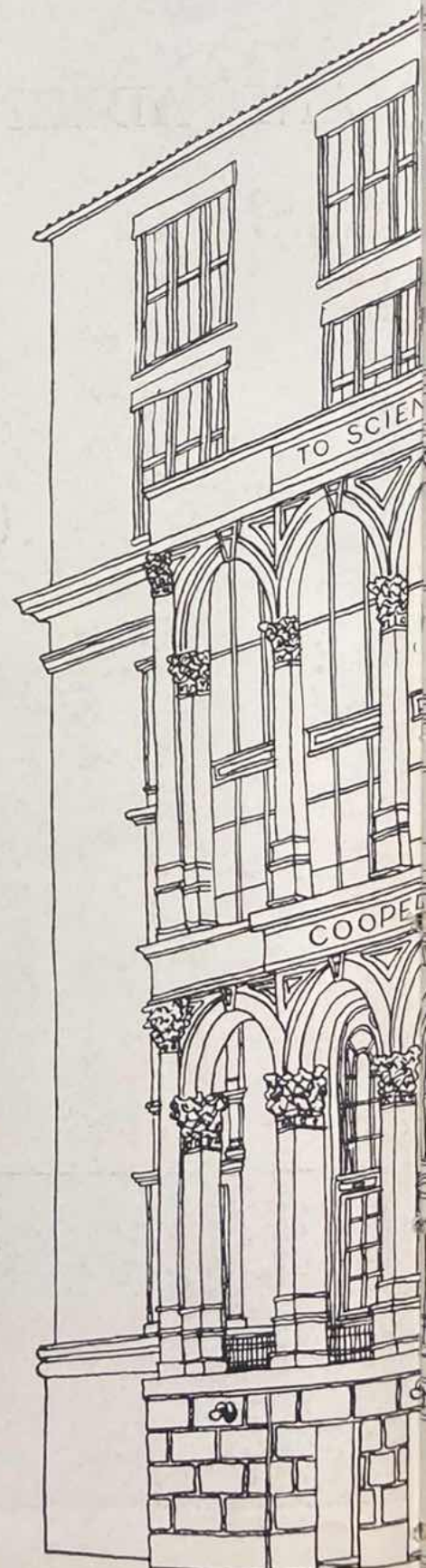
The year was also a novel one for the young-looking, genial professor of psychology Walter S. Watson, listed in the catalogue by the cold title of "admissions officer." Professor Watson had spent some of the previous years organizing veterans' affairs, advising students on some of their personal problems, helping the Student Council and its affiliated organizations in addition to supervising all activities which go under the heading of admissions.

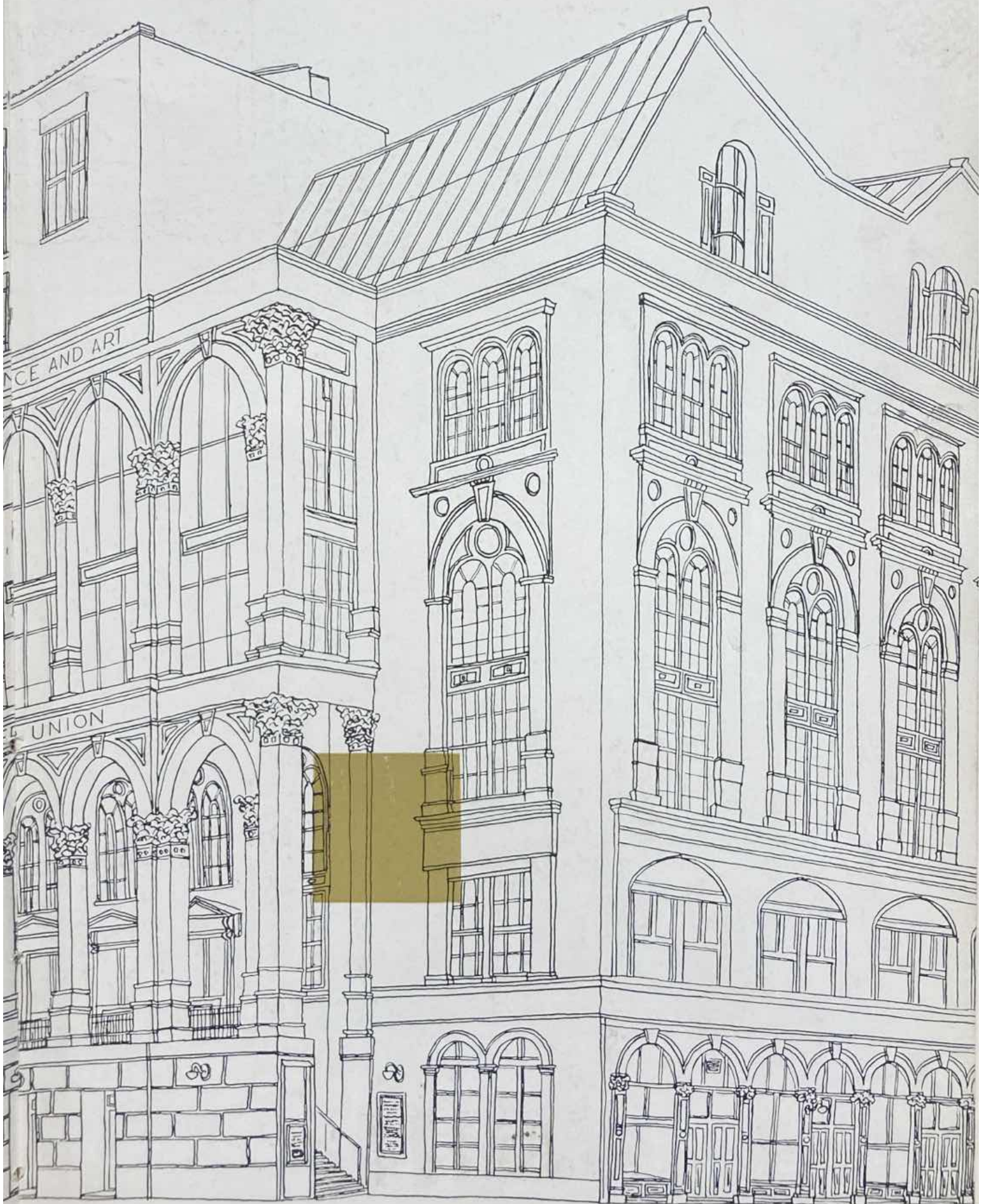
This year saw some of the tremendous burden transferred from his unyielding shoulders to a new division, the Division of Industrial and Student Relations headed by Professor Herbert F. Roemmele who, in previous years, had exhibited an exemplary interest and devotion, far beyond the bounds of his official duties, in the spiritual and economic welfare of Cooper Union's graduates and students. Assisting Professor Roemmele and specializing in Student Relations was Professor Norman A. Reed who, through his sincerity and understanding, immediately won the unqualified admiration of all those who came in contact with him.

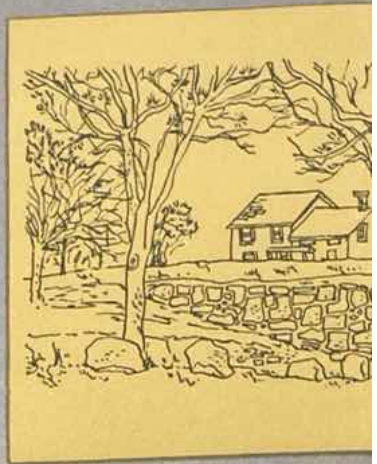
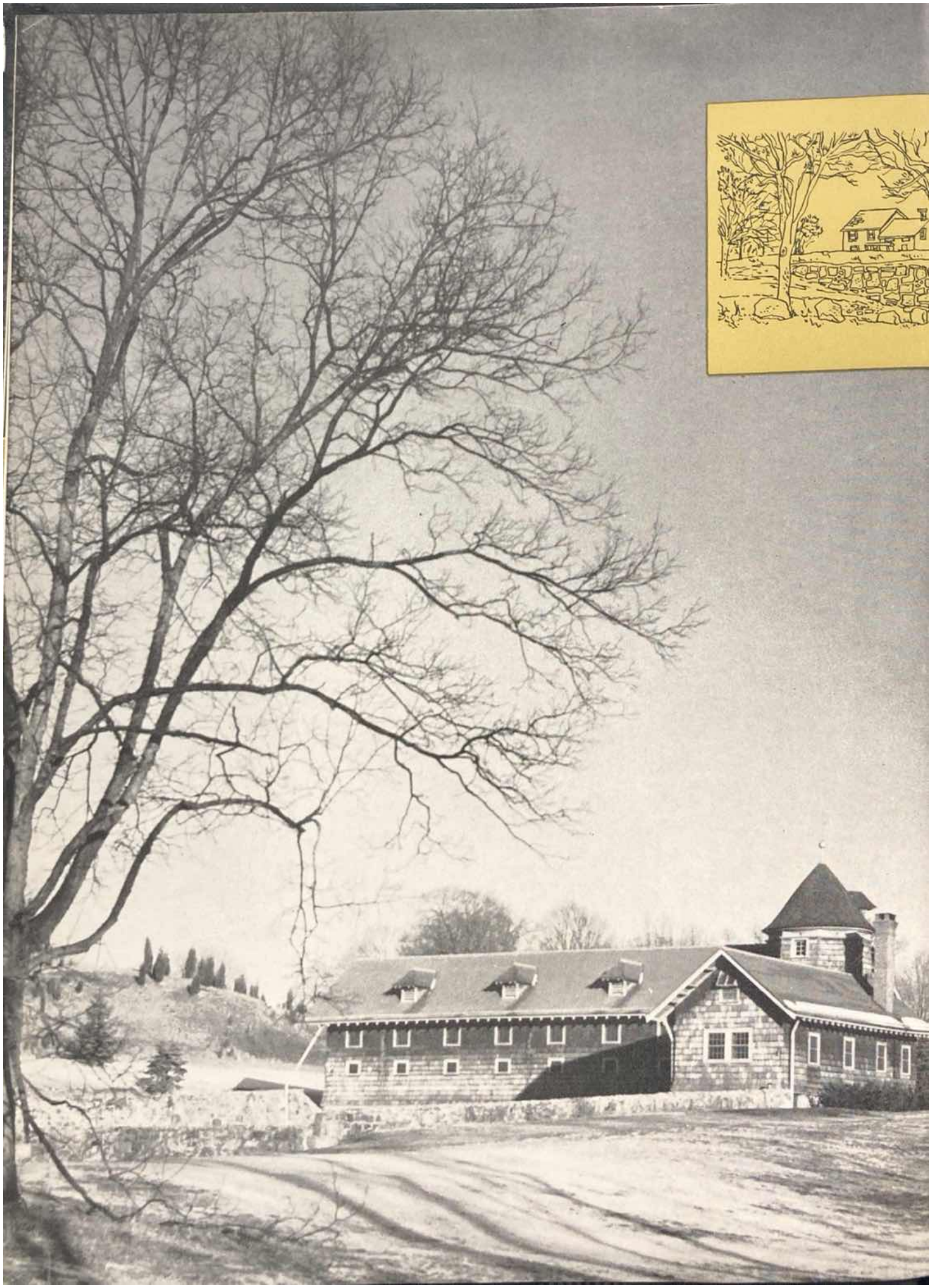
Before you leave this page take a good look at the picture of a lady about whom all of you have heard though few of you have ever seen—Miss Elizabeth J. Carbon, the hard-working and efficient Business Officer of the Cooper Union.



Miss Carbon,
Business Officer









CAMP GREEN

Perhaps the most enjoyable memories of life at Cooper Union revolve about Green Engineering Camp. Almost every student can recall some pleasure-filled days spent there—a week-end trip, orientation session, surveying fieldwork or landscape painting course.

Despite the fact that the camp's primary purpose is the facilities it provides for work supplementing that performed in class at Cooper Square; its rural setting, rustic nature, and peaceful atmosphere are its greatest attributes and the opportunities it furnishes for relaxation are unbounded.

Originally established in 1940 through a grant of 151 acres by Mr. Norvin Hewitt Green, the camp has rapidly grown into a well integrated unit of approximately one thousand acres. The buildings, which blend so well into the landscape, are on the most part renovations of the traditional agricultural structures which occupied the land when Peter Cooper used the site as a farm. The present main lounge, for instance, was built from an old hog barn, and the large dormitory was previously a three-story dairy barn.

Initially, the camp was used largely for orientation and surveying sessions which were expressly for engineering students. With the passage of time however, the use and facilities of the camp have been expanded to include co-ed student groups on week-ends devoted purely to recreation.

Indicative of the increasing role that Green Camp is destined to play in Cooper's future, is the progress that has been made in the past year in the extension of the Camp's facilities.

Early in 1949, the Rifle Club completed construction of a log cabin and a firing range on the property which has been given increasing use. The Hiking Club has built a shelter on Cupsaw Mountain and is presently engaged in blazing a series of trails over the camp area.



*facilities still
expanding . . .*

Construction is being completed on a large assembly room above the garage and attached by a passageway to the drafting rooms of the main lounge. Made possible through the aid of Mr. Green, the room shall be known as Sarah Cooper Hewitt Hall. It will be utilized as drafting space, for film showings and as a general assembly hall.

An old dream of the camp's habitues is rapidly approaching realization. As a Ninetieth Anniversary gift to the school the Alumni Association has raised \$10,000 for the construction of a one-hundred-foot dam across Ringwood River. The completion of this project, which is hoped for by summer, will result in the creation of a gaging station for practical studies in hydraulics. In most students' minds, however, the fact that a swimming area will also result, is by far the major consequence.

Without doubt much of the success of the camp as an educational and recreational venture is due to the capable guidance provided by Professor J. Merriam Peterson, faculty administrator, and Mr. Harry West, resident superintendent. Also instrumental has been the two-year-old Green Camp Committee, which is assuming more responsibility in the direction of week-end groups.

The committee, composed of representatives of the day and evening art and engineering schools, has taken over a large part of the work of carrying out camp

policy. This innovation was made with the approval of Professor Peterson, who believes that the students, because of their closeness to camp, have a clearer picture of the rules necessary to permit maximum utilization of the camp.

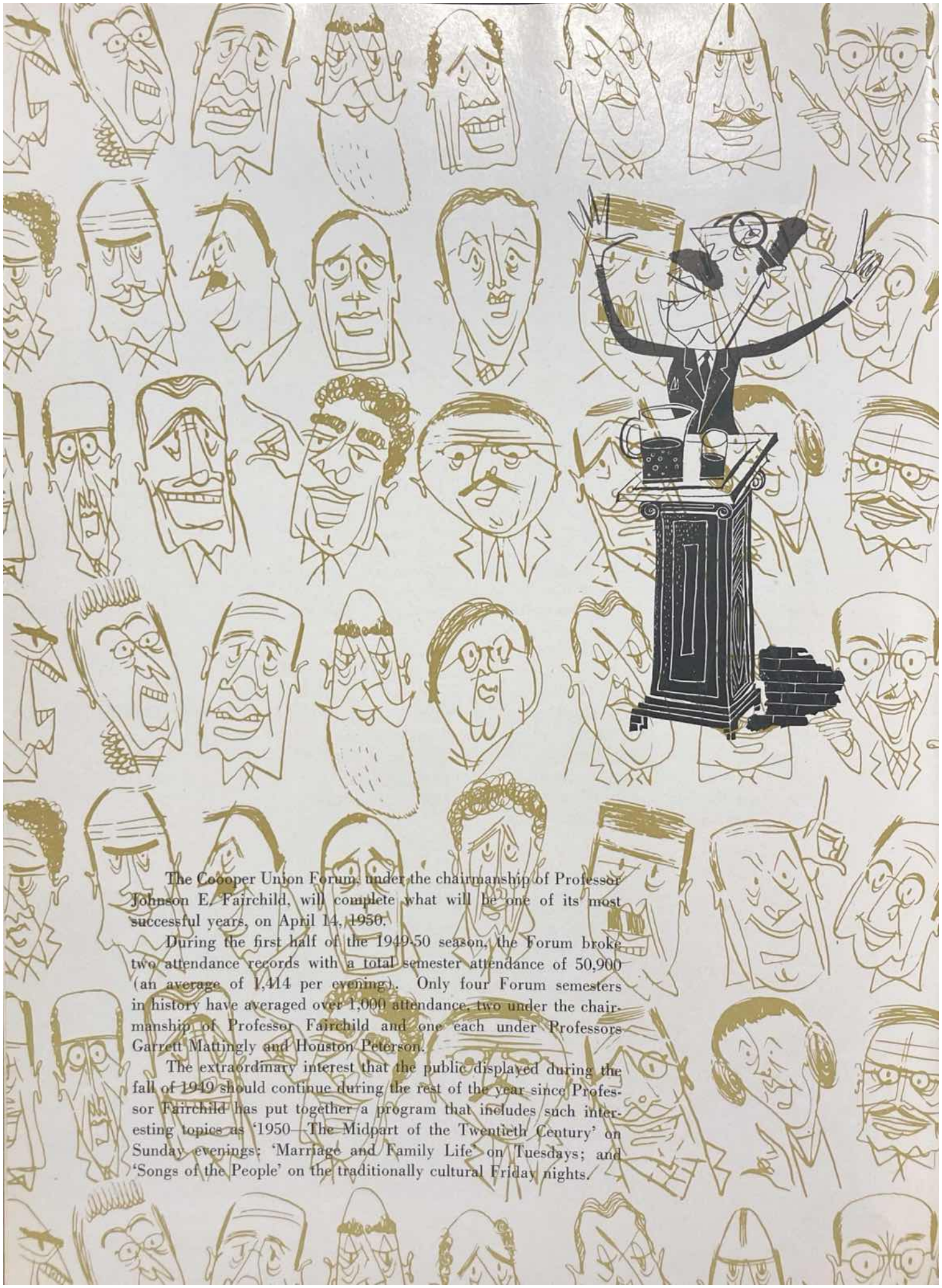
The duties of the committee include the apportioning of the available camp dates to student groups, and the planning and conducting of a Student Leader Orientation Session each semester for the purpose of acquainting potential student leaders with the means available for squeezing the maximum amount of fun out of a week-end.

In addition to these activities, the committee has also produced a manual which not only lists the rules and regulations by which the camp is governed, but also lists group games and other forms of group relaxation. This year, for the purpose of publicizing the camp and presenting its potentialities to the students, the committee has undertaken to produce a film depicting the use of camp facilities by a model co-ed group. This epic, written by Cy Freeman and filmed by Art Sandbank, stars thirty-six students, picked for their admirable deportment, who devoted two week-ends in acting out the script.

It is rather obvious that much planning and work is being put into Green Engineering Camp in developing it into a major adjunct to Cooper's educational plant. Already the effect on the students who avail themselves of the opportunities which the camp presents is profound and the time is not distant when Green Camp shall become a truly metropolitan campus.

*in a truly
metropolitan campus*





The Coöper Union Forum, under the chairmanship of Professor Johnson E. Fairchild, will complete what will be one of its most successful years, on April 14, 1950.

During the first half of the 1949-50 season, the Forum broke two attendance records with a total semester attendance of 50,900 (an average of 1,414 per evening). Only four Forum semesters in history have averaged over 1,000 attendance, two under the chairmanship of Professor Fairchild and one each under Professors Garrett Mattingly and Houston Peterson.

The extraordinary interest that the public displayed during the fall of 1949 should continue during the rest of the year since Professor Fairchild has put together a program that includes such interesting topics as '1950—The Midpart of the Twentieth Century' on Sunday evenings; 'Marriage and Family Life' on Tuesdays; and 'Songs of the People' on the traditionally cultural Friday nights.



THE FORUM

The Friday night lectures have created a tremendous amount of interest, ever since Professor Fairchild started experimenting with putting dancers and singers on the Great Hall stage, not only to lecture, but to give real performances. From an attendance standpoint the dance programs have proved themselves to be the most popular forums. Over 2000 came to see the recital of the Katherine Dunham Experimental Group and nearly as many saw the dances of Europe, Africa, India, Bali and of the American Indian.

The Spring Friday series on 'Songs of the People,' which included everything from St. John's Passion, sung by the 175 voice Dessoff Choir, to Alan Lomax and a recital of American folk-songs, is not expected to draw as many people as the dance series since there seems to be a smaller number interested in music than are interested in dancing, but Professor Fairchild feels that it is important to program other cultural activities as well. Next year he hopes to present both songs and dances on alternate Fridays.

The Tuesday series treats with 'Marriage and Family Life' and ranges in content from the introductory lecture on 'Marriage and the Family in Primitive Societies' to the final program which deals with the American family.

Perhaps the most important of the series were the Sunday evening programs dealing with '1950—Midpart of the Twentieth Century.' Topics in this series include 'Balance in an Unbalanced World,' 'The Prospect of Human Survival,' 'The Search for Security,' 'War and Revolutions,' 'Mankind in the Atomic Age,' winding up with 'One World or None' to be given by Carlos Romulo, president of the General Assembly of the U. N. On March 19 Professor Fairchild had to introduce himself when he talked on one of his favorite topics 'Geographical Illiteracy as a Clue to World Misunderstanding.'

The 1949-50 forum series has not only proven itself to be the most successful from a statistical standpoint but has also set cultural and intellectual standards that will be a mark well worth aiming at in future years.

LIBRARY



A library is the cultural center of an intellectual universe. A library is the gathering place of all knowledge, of humanity's heritage. That's why our library is important.

The library occupies a whole floor of the foundation building. It has branches in the museum and in the Art School. Although in size the library is not large, it is extensive in its coverage and versatility. Here every student's need is met: from Einstein to Orozco, from Life to the New Republic, from Chaucer to James Joyce—they are all there. Books on Engineering, books on Art; old books, new books; magazines and newspapers; reference books, novels; the pick of the crop in each field.

Let's take a look through the rooms and see all the people using the library. In the browsing room, one student is chuckling over the New Yorker, another is reading a Photography magazine. In the Humanities Reading Room a class is discussing Social Philosophy under the guidance of the amiable librarian, Dr. Berninghausen. We wander into the main Reading Room and see a crowd of people intensively reading books and making notes and others, not so intensively, sleeping. Passing on to the Engineering Library we find students using the thousands of valuable reference books and texts in preparing lab reports and doing additional reading. In the Museum Library we may inspect rare old documents, and use the unsurpassed file on the arts of decoration. In the Art School Library we can do more study and research.

Busy every place, just as it ought to be, the library at Cooper Union is truly an important stop on the road to knowledge.



The Cooper Union Museum for the Arts of Decoration is well known, not only to students of The Cooper Union, but also to a large circle of specialists who have used its extensive collections for years. Its pioneering activities in bringing together in one place a multitude of objects of kinds infrequently included in public collections, in reinforcing these collections with an extensive library, and in freely offering its facilities to the public, have made it a unique institution.



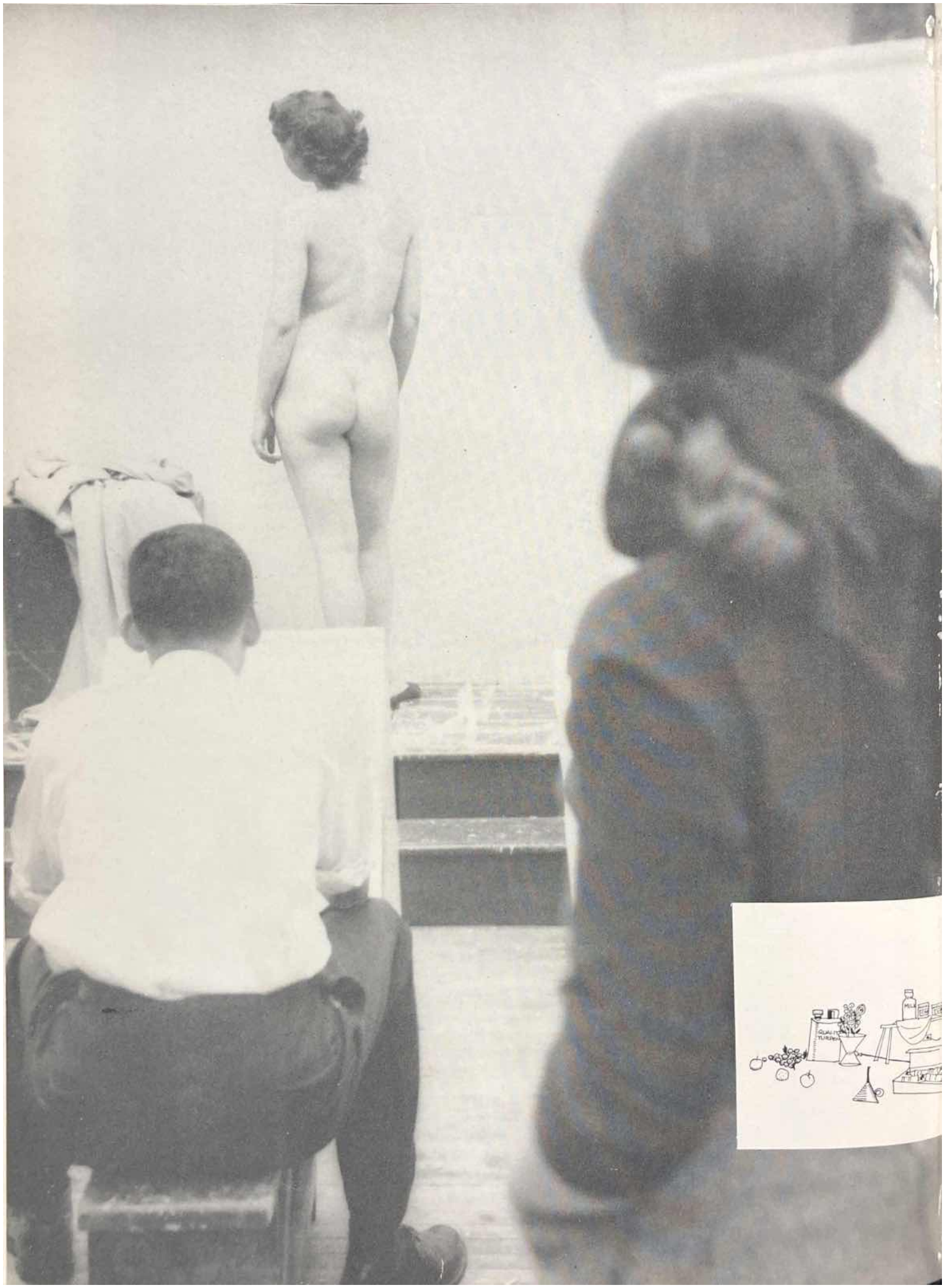
MUSEUM



Now past its half-century mark, the Museum is better equipped than ever to serve those designers and decorators who recognize it as one of the invaluable tools of their trade. As the Museum is now constituted, it is in essence one large study collection available as freely to the public as it is to the students of The Cooper Union. Of approximately 70,000 objects in permanent collections, one-third are drawings or prints; another third are textiles or related material; and the balance is composed of metal and woodwork, furniture, ceramics, glass, wallpaper, and various small accessories of furnishing of kinds not often found in museum collections.

Besides a Picture Reference Library, there are study rooms for textiles and needlework, for wallpaper, and for drawings and prints. Museum staff members, specialists in their fields and familiar with the needs of the visiting public, are available in the study rooms to give such help as consultants wish.

The stylist looking for historic documents, the designer wanting a springboard for fresh flights of his imagination, the consumer wishing to sharpen his perception of color and proportion, the student seeking knowledge of design—such are those for whose convenience and pleasure the Museum was created.



Many of us will look back upon the Cooper Union with some wonder that we were able to complete three and four years of studies here. We have now amassed so much work from the various courses that it is a bit staggering. It may take some time to get a perspective on these years.

Even as the first million is the hardest, so the first year at Cooper is the most difficult.

The foundation courses, consisting of two-dimensional design, drawing, sculpture, architecture, lettering, three dimensional design, history of art, English and piles of homework, were most hectic. It is quite a shock to have such an amount of work thrown at you. It is in fact impossible, but we do it!

The several instructors, of course, place emphasis on the value of their courses. It is a struggle all the way. Sometimes we don't know what we are doing. This is a familiar complaint to Mr. Dingilian who spends most of his time clarifying the work of the class—but there are some who are never clarified. There are great arguments with Dr. Zucker over materialism and mysticism and what makes a work of art “unbelievably beautiful.” There are those who love calligraphy but just cannot make a nice looking letter. And many say, “Why do we have to study architecture?”

The first year is the growing period needed to become familiar with school. The first year is the year of selection, the great beginning. The Cooper Union becomes a process of development.

In the second year students choose a major area of work in architecture, fine arts or graphic arts. This specialization becomes more determined as one progresses.

THE ART SCHOOL



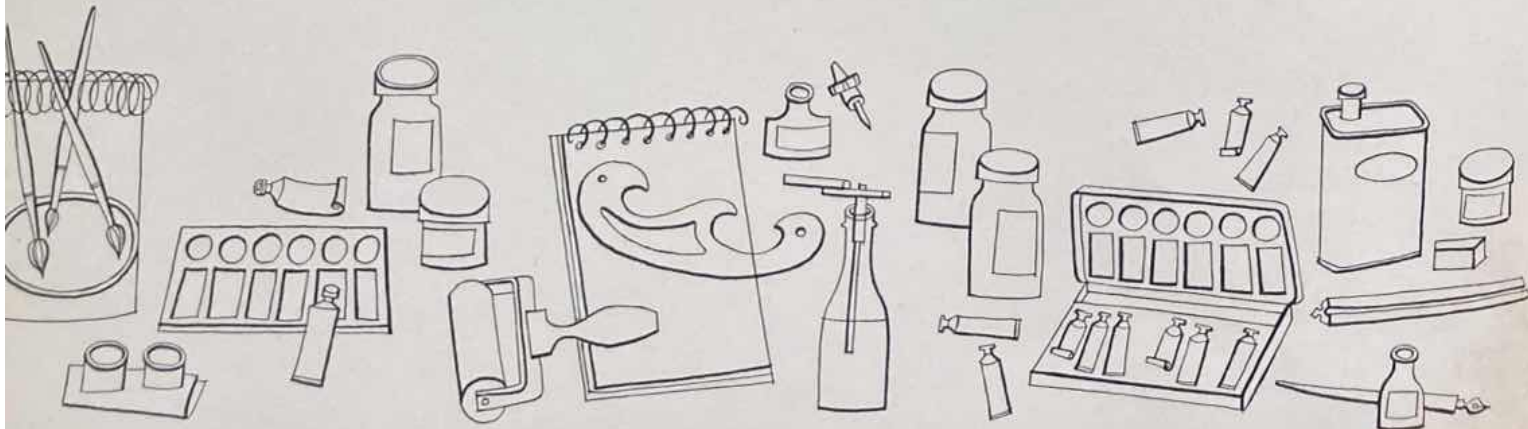
In the second year the artists can be seen mixing paints for weeks on end. But the architects disappear and will not be seen again until graduation. They have been spirited away to some place high in the halls of Cooper Union where they can be alone with their models.

The basic emphasis for all students is placed in design and the development of an aesthetic. This is coupled with technical growth and balanced by the humanities day courses. We are given to believe that the night students may achieve intellectual growth without such courses, but we are misled; The night students just do not have the time for such courses—indeed, the complaint is that they have time for hardly a thing at all other than classes. The day students sometimes feel that too much time is spent in school, and the night students feel that they can't get enough of it. If coffee at Adler's were abolished the situation for the day students would have catastrophic consequences.

The general approach to aesthetics is largely influenced by the Picasso-Bracque approach to painting and the art of varying civilizations from which design principles are derived. At Cooper all this is summed up by the less articulate as "Harrison's design," or a "Schutzy shape." Though many parents express anguish and not all students fully accept the presentation of such an aesthetic, the importance of design and color is generally grasped and appreciated.

In all courses there is a creative approach. The graphic arts courses prepare students for the field of commercial art, advertising and display and overlaps with the fine art courses in painting, design and calligraphy. Technical development is presented in courses in typography, book illustration and lettering.

individualism
preserved



The fine arts course emphasizes painting and sculpture but allows for studies in textile design, weaving, book illustration and lettering. In the latter, Professor Shaw augments his course with lectures on psychoanalysis while Professor Dowden lends a personal touch to help solve the perplexing problems amassed in modern youth. The faculty is chosen directly from the professional fields important to the students. They teach only part of the week. Thus the students are in direct contact with the contemporaries of their chosen fields and friendships are freely developed.

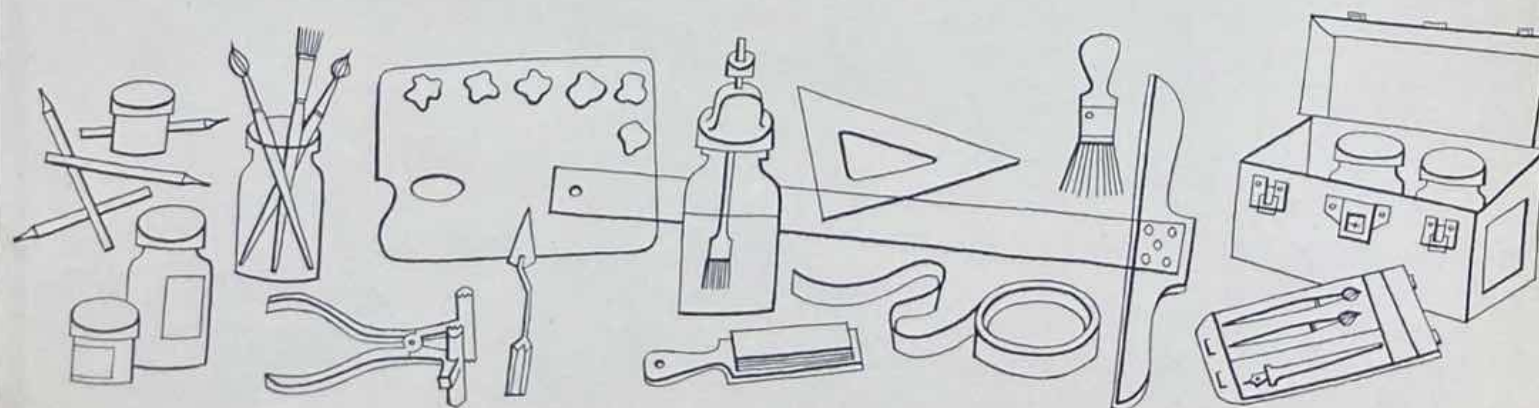
The Cooper Union has become a stepping stone to life. But the Art School will always be much more than a memory to us. It is an integral part of our lives. It is part of the stuff of which we are made, a part of reality. Like many who have graduated and have come back to look around, we shall come back to have a look-see and to shoot the breeze with our friends in the teaching staff. We appreciate the changes in curriculum and approach to art which are made in our behalf as the world changes about us.

We feel some pride in knowing that we too lead the school forward by our emphasis on certain areas of study. It is a credit to Dean Vaughan and the staff with which he works that the value of an art education is considered particularly dear to Cooper Graduates.

More than all else we value the associations which we have made amongst fellow students.

Not the least of these are those young couples who have married on our doorstep, the strangers who became buddies, the growing circle of appreciative friends. We wish that we could have developed this aspect of life even more fully, and we hope that the future brings the scientists and artists of the Cooper Union to closer comradeship.

*... while gaining
technical
ability*



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		265		168		432			
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10	9.794 3348	265	9.893 4271	168	9.900 9077	432	0.099 0923	50	
20	9.794 3612	264	9.893 4103	168	9.900 9509	432	0.099 0491	40	
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		264		167		432			
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20	9.794 5199	264	9.893 3097	168	9.901 2102	432	0.098 7898	40	
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		264		169		432			

It is with very mingled feelings that the graduate sits in the Great Hall and hears the traditional words: "By the authority vested in me . . . the degree . . . rights and privileges. . . ." There is a sense of release and one of loss. Realization that the grind is over, that the years of high pressure concentration and ordinary dog work are finished, but that there are many things that have not been done, and that the friendships and associations that he has made will, for the most part, be shattered and that an important part of his life is behind him. But there is a loss too, for the graduate, if he is honest with himself, must admit that it has been, for the most part, fun.

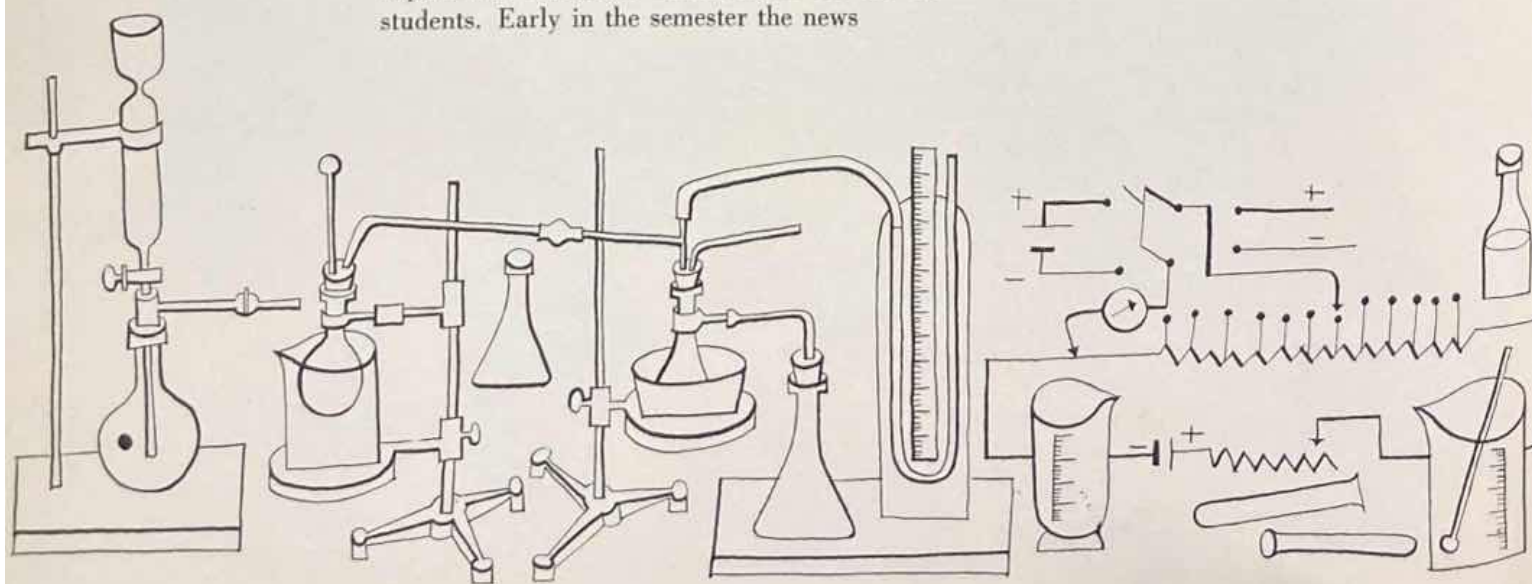
As the graduate sits there, staring at the familiar pillars a series of kaleidoscopic images might pass through his mind. The entrance exam, the special Cooper Exam for the really old timers, or the College Entrance Board for the bigger part of the class. Interviews, more tests, health exams, alternating periods of hope and despair and finally, admission.

. THE ENGINEERING SCHOOL

The freshman year. Fundamentals of science and engineering, the beginning of the humanities course, meeting the faculty, renewing high-school acquaintances and forming new friendships. Unfortunately some of those friendships were soon to be broken, for the grind was hard and some could not stand the pace. They left, some defiant, but all regretful. The first vacation, the first real chance to catch one's breath and to take stock. Surveying camp for everybody and the realization, especially for the Civils, that Camp Green means work as well as play.

Sophomore Year registration. 205H filled with a babble of voices, summer's experiences being exchanged and wonder at the strange new terms appearing on the program. Mechanics, Quantitative Analysis, Geology, Public Speaking, and Kinematics of Machines. This was the beginning of the real engineering course. Specialization was beginning and the paths of the four groups, Chemical, Civil, Mechanical and Electrical, were to diverge more and more from then on. The term started and more and more dates gave way to Laboratory Reports. Sleep became a luxury as the work became heavier. The pace was too fast, nobody could afford to lag behind. But despite all this for the first time in his brief career at Cooper, the sophomore started taking part in extra-curricular activities. Soon the Cable and Pioneer staffs were filled with fresh faces as a large group realized that there was more to Cooper than just Engineering. While Professor Hollinger had furnished the main impetus to the freshman intramural teams it was a result of the newly found class spirit that the sophomore class fielded teams. And then the sophomore year ended and looking back it appeared to be much shorter than it had looked during the year. Another summer vacation and another new experience. Technical summer jobs for the day students. Early in the semester the news

a tough school



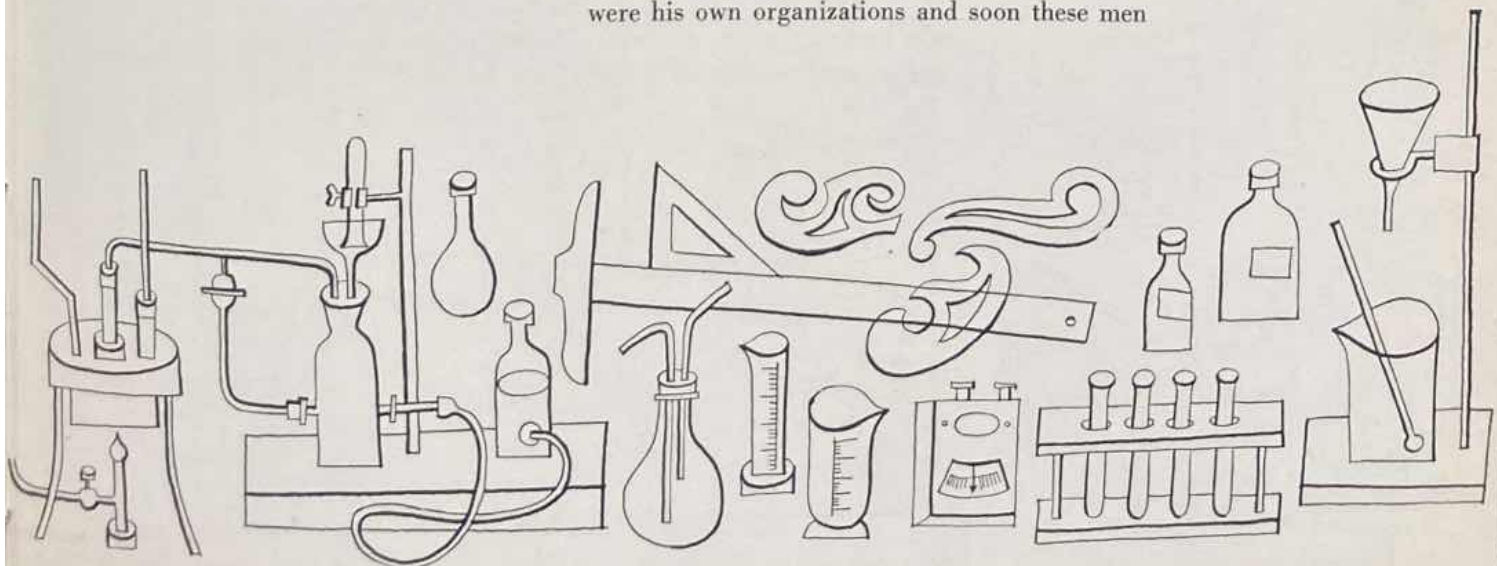
had spread like wildfire that the Government was offering jobs as Engineering Trainees. As the summer began a large part of the class went west. Denver, Guernsey, Hungry Horse, Elephant Butte and Great Falls began to be aware of a place called Cooper Union located somewhere "back East."

Room 205H again and the start of another year.

This time they knew each other better and the familiar forms were filled out quicker. A quick perusal of the program and this time the instructors were no longer just names.

Although some of the course names were still unfamiliar, Physical and Organic Chemistry, Graphic Statics and Fluid Mechanics, Magnetic Circuits and Electronics, Thermodynamics and Mechanical Processes, the student by now, while missing the details, had a general idea of what to expect. So they went back to the classrooms, sometimes with familiar instructors, sometimes new professors making their appearance, some new to Cooper and some preceded by their reputations. Class, laboratory and drawing followed each other and soon the old grind of work, work, and some more work over the weekend reappeared. It was at this time too that the letters A.I.Ch.E., A.S.C.E., A.I.E.E., and A.S.M.E. began to assume meaning. The engineering student found out that those were his own organizations and soon these men

*... but we're
proud of it*



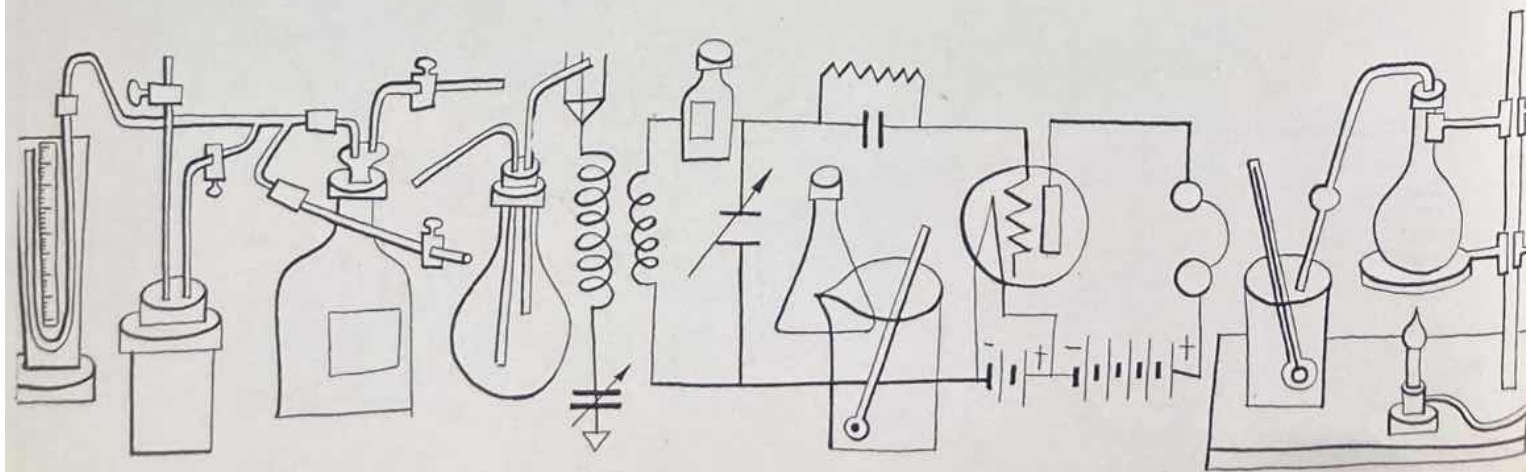
took part in these activities, filling committee posts and giving papers, which sometimes even won prizes. With the increased participation in extra-curricular activities and the greater interest of the courses, now far removed from the boring, though necessary, fundamentals of the first year, this year seemed to move faster than the other. After the ordeal of finals, with the average student fraught with the loss of fingernails, hair, and sleep, came the heavenly days of the vacation, with money-paying summer jobs and lazy days at the beach.

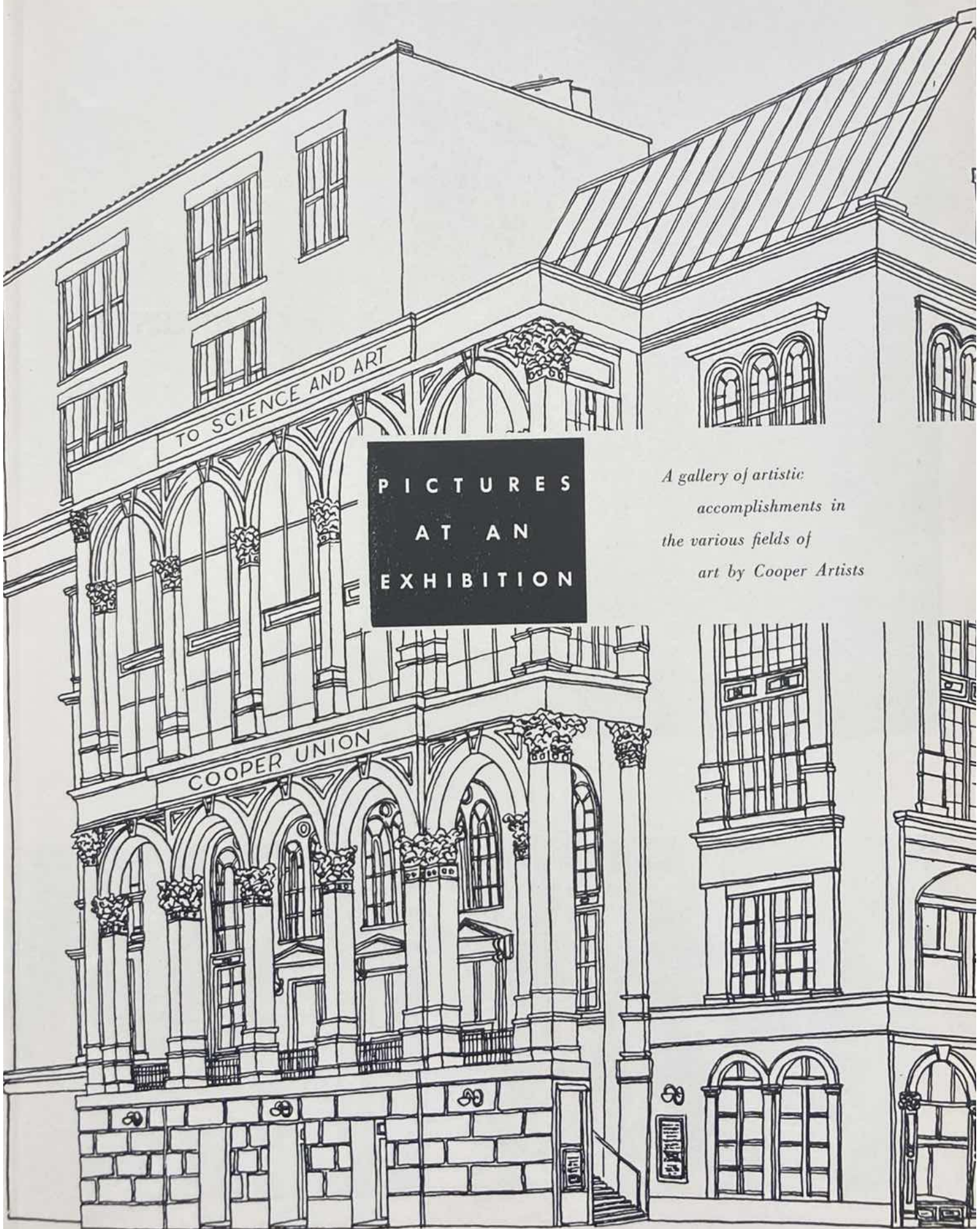
And so the years passed—even the night men with their full time jobs during the day got used to the grind—eating dinner on the fly, doing homework on the subway, and trying to live weekends. And the last registration came, this time with the new meaning of Seniorship. The courses were harder, but four and five years' experience made the studying easier. First it was weeks, then days, and finally they started counting hours.

at graduation . . .

Specialization was still increasing—in the day school, the individual seniors were giving their biggest effort to the subjects in which they would, after graduation, specialize while the Ch. Es had been broken up again. Half of them to work on a thesis while the other half would get a close approximation of the real thing in the Unit. Ops. Lab. Towards the end of the semester new things appeared in the classrooms, graduate school and job applications. Talk of Graduate Records and P. E. exams, interviews and curricula vitae became ever more frequent.

The last homework was handed in, the last exam sweated through and the graduate, the engineer, awaited the final ceremony, the last official act that Cooper Union would ever perform for him.





PICTURES
AT AN
EXHIBITION

*A gallery of artistic
accomplishments in
the various fields of
art by Cooper Artists*

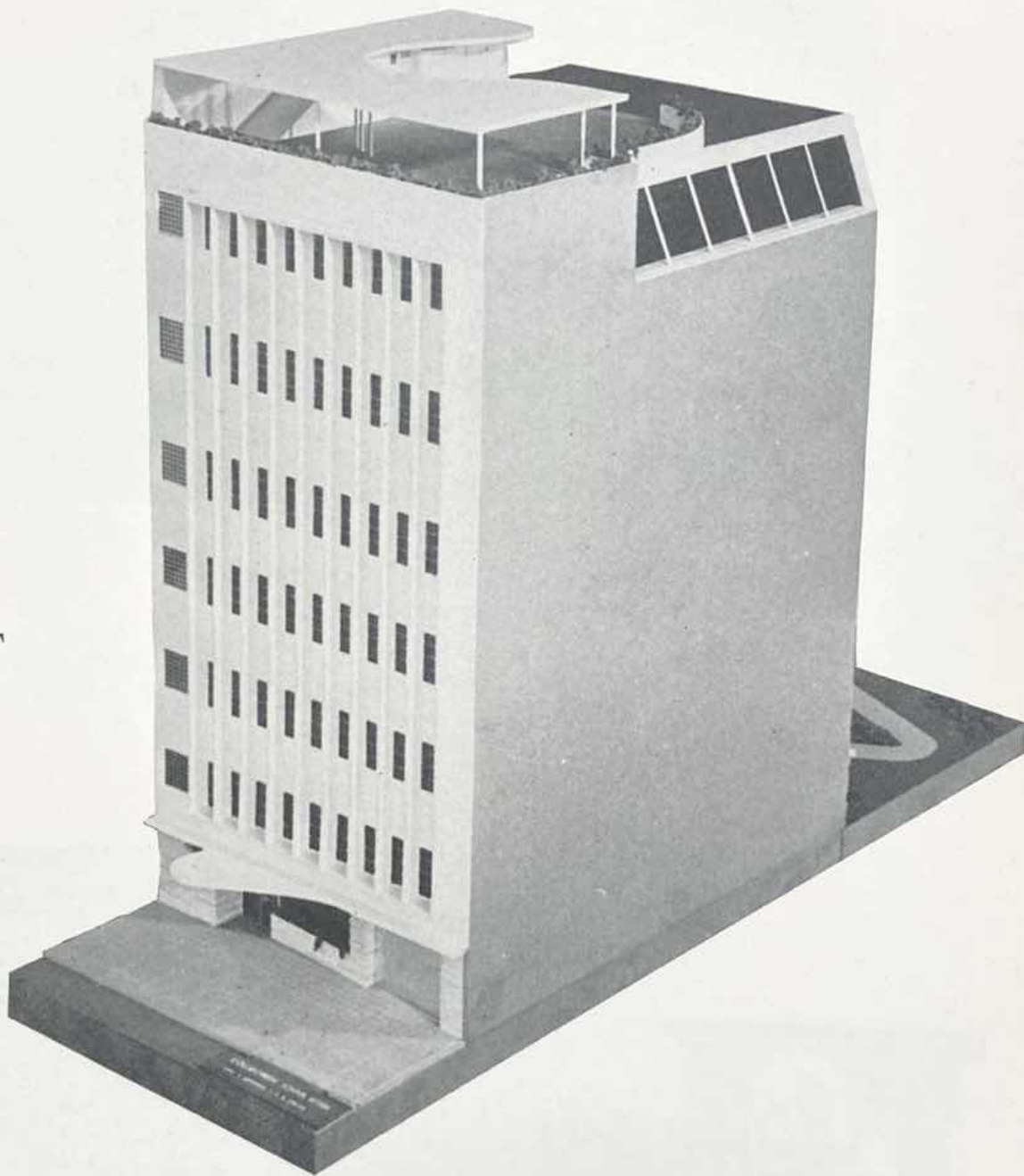


EXPERIMENTS

IN

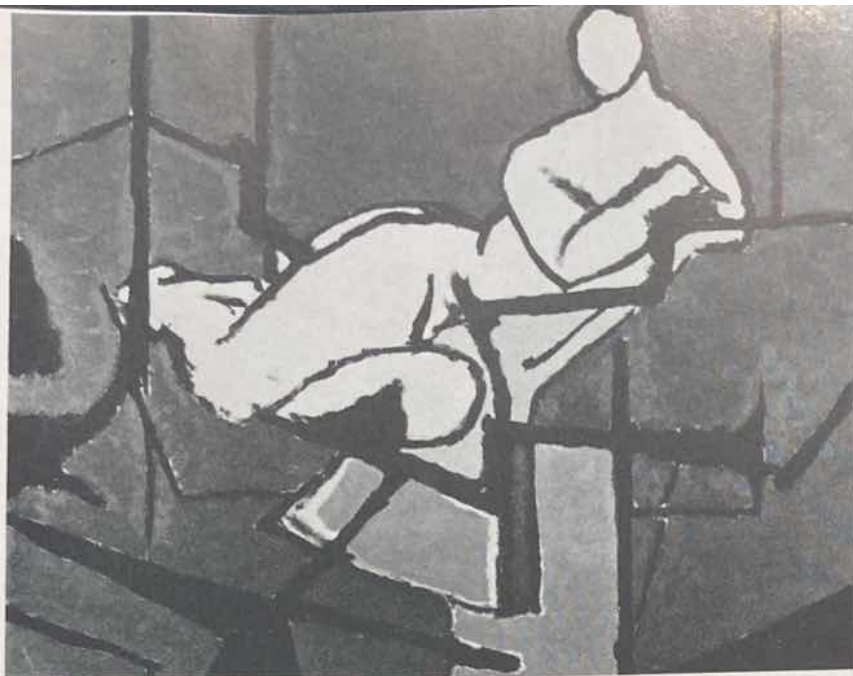


ABSTRACT



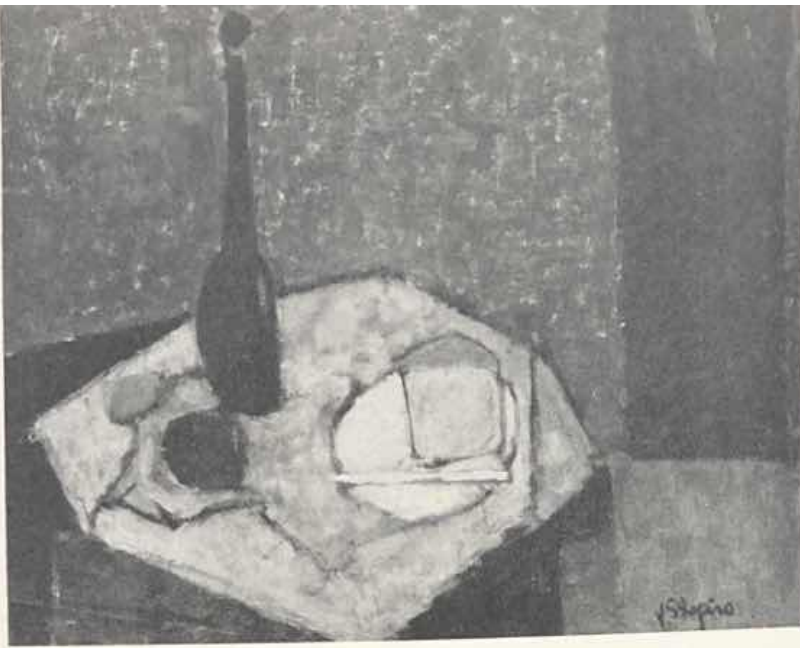
... AND REALISM





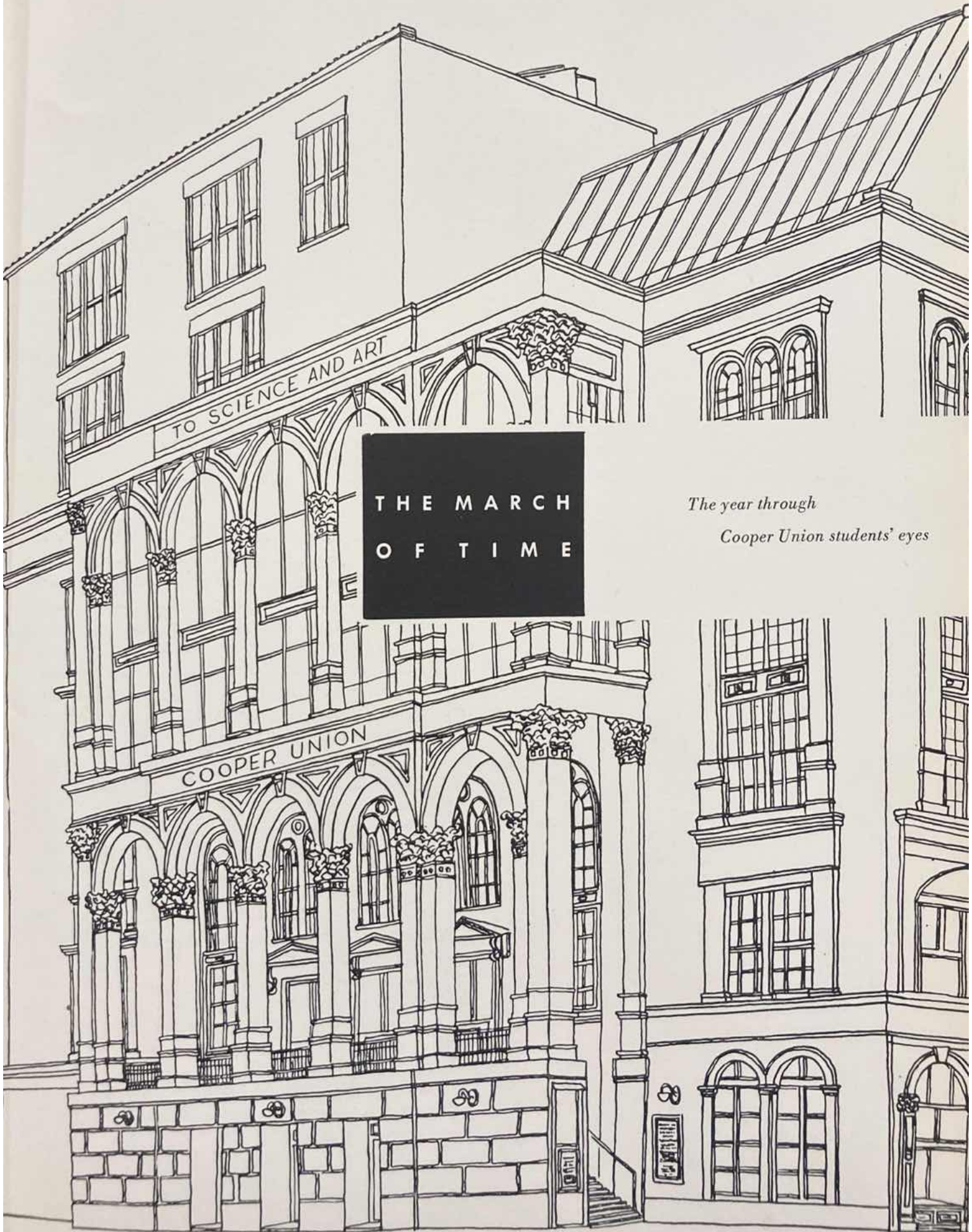






EMILY LOWE AWARD PRIZE WINNERS





TO SCIENCE AND ART

THE MARCH
OF TIME

COOPER UNION

The year through

Cooper Union students' eyes



Cooper Union Children at play during Field Day

the year begins

The pleasant events in life are long remembered. Apart from studying which, by definition, can be considered unpleasant there are other occurrences during the school year that were far more pleasant than the usual routine of quizzes and homework. The following pages are intended as a reminder of some of the more pleasant aspects of life in the year 91 A.C. (after Cooper). To the stranger, both outside and inside the school, this record will be only of academic interest. However, to the participants and to those who are sorry that they were not, this calendar of events will serve as an album of cherished mementos.

OCTOBER 15

The second Annual Field Day was held on October 15, 1949, a cloudy but pleasant day. As the first of 140 guests arrived at the Green Engineering camp open games were started. About 1:00 o'clock picnic lunches claimed full attention, to be followed by the mild exercise of sightseeing, or the more strenuous hiking, in fairly small groups. The late afternoon saw more organized games and a hectic treasure hunt, the latter to be judged after the indoor picnic supper, at about 7:30.

Later few found themselves unable to resist the square dance calling and guitar accompaniment of Gene Wachspress. At the official close of the day at 9:30 P.M., 140 weary people including the tireless planning committee and its chairman Don Bass headed for home.

... with a big celebration

The 90th Anniversary Convocation of The Cooper Union was held on Wednesday evening, November 2, 1949, in the Great Hall. The presence of many renowned educators lent extra dignity to this great occasion. Dr. Gano Dunn, president of The Cooper Union, presided. Messrs. Norvin Hewitt Green and Edward Ringwood Hewitt, descendants of the Cooper-Hewitt families were seated in places of honor. Welcomes were tendered to the guests by Dr. Edwin Burdell on behalf of the board of trustees and staff, Mr. Max Kerman, EE '50, on behalf of the Engineering Students and by Miss Eleanor G. Cohen, Arch. '51, on behalf of the Art School.

The Peter Cooper Medal for the Advancement of Science and Art was presented to Mr. David Sarnoff for his contributions to the field of engineering, and to Mr. Frank Lloyd Wright for his achievement in the arts. The recipients replied to the honor with wit and modesty. Mr. Sarnoff painted the future, barring any nuclear mishaps, in bright technological colors, and Mr. Wright, in his unpredictable manner, discarded his prepared speech, and advised the public to investigate the work of the recently deceased philosopher, Gurdjieff.

Dr. Vannevar Bush, the Speaker of the Evening, ended the ceremonies with a discussion of human enterprise and the problems facing our western civilization.

The occasion of the 90th anniversary of the Cooper Union was recognized as an important event not only here at the school, but by many other institutions in the city as well. Wanamaker's—a latecomer to Astor Place—its forerunner A. T. Stewart's was established here at the end of the last century—commemorated the event by devoting window-space to an exhibition of nostalgias of this neighborhood at the time of the establishment of the Union.



Top: Dr. Gano Dunn addressing the Convocation in the Great Hall

Middle: Speakers at the Convocation, usual order: Brig. Gen. David Sarnoff, Frank Lloyd Wright, Dr. Vannevar Bush, Dr. Edwin S. Burdell

Bottom: Wanamaker window commemorating 90th Anniversary



PIONEER

Ninetieth Anniversary Issue

A
WORKING
IDEAL
FOR
90
YEARS

Cooper Union Celebrates 90th Anniversary Great Hall Convocation For November 2nd

Vannevar Bush
Speaks Before
1600 Tonight



Cooper Union Ninety Years

Today, ninety years after its establishment, Cooper Union still operates under the mandate originated by its founder, who, with timely foresight, he established the school under his old referred-to Fund of Trust.

Existing records do not give the exact date of how Peter Cooper conceived his first school. Education, of course, was in the air. There were the Quakers, the Methodists, and the Episcopals, who were planning to lay claim to education. Peter Cooper wanted more than anything else to give the opportunities for the young working man and woman to make their own way in the world with which he had had to cope.

The first concept of education developed by Peter Cooper was a free school for the poor. In addition to night classes and a school for the deaf, Cooper provided for the support and maintenance of a free reading room, where students could read and write, the establishment of a public school, and the development of a society of Cooper Union Associates, by donating art and engineering courses, Cooper conceived of the free school as a living entity. Cooper's first school was an original

NOVEMBER 2

With the continuation of the A.P. in grave doubt, plans for another ordinary issue of the Pioneer were dropped at this point. However, quick consultations with the Office of Student Relations brought to light a plan for what has since been termed the Swan Song of the Pioneer. Without a cent from the student body or the A.P. contingency fund, but with a grant of \$150 from the 90th Anniversary Committee, the staff began planning a 16-page magazine edition of the newspaper in time for the date of the Ninetieth Anniversary Convocation, November 2, 1949. With a planned printing of some 9,000 copies the advertising rates were increased, and the paper was paid for by these ads alone. For the first time, every student, every faculty and staff member, and every alumnus listed in the Registrar's office received the last and best issue of the Pioneer, since its first issue in 1923. The staff is proud of its efforts, and hopes that the Pioneering spirit of the paper will not die for ever.

Death, as it must come to all men, this year also came to the Cooper Activities Plan. For years the steady decline in subscriptions had been noted but it was hoped that for another year a miracle would happen and the A.P. would once again go over the top. Alas, it was not to be. From the beginning of the year the energetic Activities Plan Committee, led by Saul Davidson with Stanley Lazerus as treasurer, had prepared a comprehensive program designed to lure every student into the folds of the A.P. For two months the small table in the entrance hall, occupied by one of the officers of the A.P. or by some of their many friends, drafted for this purpose, was a familiar sight to all Cooper students. For two months repeated warnings in the Pioneer and by the salesman were ignored as scare-mongering. Then, on the 15th of November, a day that will live in infamy, rude reality shocked the Student Body. The A.P., due to insufficient student support, was dissolved and for the first time in many years there was no integrated plan of extra-curricular activities.



Top: The last issue of the PIONEER
Bottom: "And the tears flowed like wine
at the death of the AP"

activities die . . .

NOVEMBER 15

Thanksgiving is the traditional occasion for getting together and eating turkey. And traditionally when the Thanksgiving week-end approaches all the little boys and little girls who make up the CABLE staff, together with their friends, enemies and other acquaintances, pack up and go to beautiful Camp Green. This year too, the old story was repeated. Offering such inducements as Lois P. Swirnoff, Annamay Olsen, and Rhoda Buchler there was no difficulty in signing up enough "staff" members. Once the people were together the next item on the agenda was the turkey. Finished by the joint efforts of an Associate Editor and a Business Manager Emeritus of the CABLE, aided and abetted by the aforementioned Lois and Annamay, it was pronounced a culinary delight 'par excellence' by everyone present. The turkey was good but the trip was no turkey. The usual games, hikes and bull-sessions were enjoyed by everyone. Those present will not soon forget George Fried's little book or Gaby's struggles with the low bar.

NOVEMBER 24

. . . but the CABLE goes on

With the whole year filled with the failure of student activities the demise of S.A.P. and the PIONEER, and the financial flop of the Annual Dance, the only bright note turned out to be our CABLE. The CABLE was salvaged way back on November 29, 1949—it's a date we well recall—when the 400th "lucky" student signed up for his CABLE. That magic number was the number of subscriptions necessary to make the yearbook a financial success. Since that date, the subscriptions have gone up to 475, meaning an even better yearbook than we promised.

NOVEMBER 29

Irving W. Hammer, *Editor-in-Chief*
Theodore C. Hein, *Business Manager*

This happens to be one of the latest CABLE issues, when it comes to actual date of copy deadlines, due to the long wait for the subscriptions to reach the magic number. Thus, while the student body took their time in getting the dough in, Irv Hammer and the rest of the staff sweated it out with plenty of plans but no money.



The CABLE staff preparing for the work ahead

Making their debut in front of the TV cameras the CU jazzband displayed their wares before a CBS audience on the college talent show. Under the leadership of Robert Goldstein and his jumpin' piano the jazzbugs came out a close second to Seton Hall's aggregation. Our own Lennie Slonevsky performed his popular Russian dances with perfection. It's rumored that the reason Seton Hall came out first with the audience is that it had a large following in the studio.

As part of the celebration of the school's Ninetieth Anniversary, the student body held its own Assembly on December 2, 1949, to honor the occasion. Emceed by the versatile Cy Freeman, who was aided and abetted by his fellow ME Ray Horky, the event was witnessed by some 800 students, friends, and parents in the Great Hall.

DECEMBER 2

Speaking for the faculty was Dr. Burdell, and guest speaker for the evening was Houston C. Peterson, former chairman of the Cooper Union Forum, and well-known writer and philosopher. Speaking on "The Signs of Synthesis," Dr. Peterson based his hope for future peace and common welfare on better education of our generation and of those to come.

Out from under wraps for the first time this year was the best version of the Cooper Union Orchestra we've ever seen, and we just couldn't believe our eyes when Professor Herb Roemmele waved his baton and FOURTEEN stalwart musicians gave forth with real music! Speaking for the student body was the lovely Jackie Eisenberg of the Night Art school, with an emphatic vote of thanks for the opportunities given us here at Cooper.

long speeches

Left: Cooper jazz band before the image orthicon.

Right: Dancing after the Student Convocation





*Drama Club's Fall production
of Aria de Capa*



Senior Tea

DECEMBER 15, 17

and short soliloquies

The Dramatic Club presented its traditional fall show in the Great Hall on December 15 and 17, 1949. First on the program was an original operetta written by our own Michel Calman, 3DA, called "Die Gutundliverlung" with the hero and heroine delightfully acted and sung by Edwin Kosarek and Gloria Gentile. Next, Robert Friedman, the Club's president, very competently read Sherwood Anderson's "The Dumb Man." Joan Annapolen and George Martinez, were excellent in their roles. Last on the program was a colorful production of Edna St. Vincent Millay's "Aria de Capa" under the able direction of Nancy Warfield. Eleanor G. Cohen made a dashing Pierrot to Lilly Benedict's silly blond Columbine. Norman Griner and Jack Kuster played the gentle yet thoughtless shepherds to perfection.

DECEMBER 18

The Senior Tea, held on December 18 in the Hewitt Building lobby, was, at the same time, a celebration of the 90th Anniversary of the school. It became a virtual reunion of the class of 1949 and the forthcoming 1950 graduating group in both the Art and Engineering schools.

Besides the usual tea, coffee and cookies were prepared and served by the members of the Cooper Union Women's club, under the chairmanship of Mrs. F. H. Miller, there was some carol singing led by Professor Eastham. This was an innovation apparently favored by the students, faculty and alumni who attended the gathering.

Hi-jinks at the Little Formaldehyde Playhouse



(Reprinted from Dec. 23, 1949 late editions)

Last night, I dropped up to the Little Formaldehyde Playhouse. P. Cooper, the set designer, ingeniously designed the auditorium to resemble a chemical lecture room, even placing people in the audience resembling instructors and students.

The title of the play was "Death of a Ch.E.," authored by Dolgon and Zonis, long remembered in theatrical circles for their earlier works such as "Characteristics of a Tungsten Lamp," an illuminating study based upon the song "Mazda's in the Cold, Cold Ground."

Last night's play concerns itself with Willy Lowman, boy Ch.E., whose tragic life was superbly reenacted for the audience by the well known thespians Ezio Zonis, Lee J. Dolgon, and Sir Cedric Gordon, who also have appeared in "Physical Education I," a fast-stepping review.

I was at the edge of my seat (the back of it was broken) when the suspenseful, tense, violent, earthshaking, spine-tingling, trustworthy, loyal, helpful, friendly, courteous and kind scene between Dolgon and Zonis took place. In this suspenseful + ... +n scene, Zonis places his left hand tenderly upon Dolgon's right shoulder and says, "I like you!" I cried like a baby. (Ed: The drama critic will be four years old on Feb. 31.)

The finale was neatly timed by timekeepers Dolgon and Zonis to coincide with the end of the play. This realistic and apparently chaotic finale consisted of a cast of thousands devouring tonnage quantities of doughnuts and cider.

As I said before, the play itself is superb, the only change which should be made is in the title. Since the story is about a sales engineer, the title should be "Death of a Salesman." With this minor change, I am sure this play will enjoy a successful run.

DECEMBER 23

JANUARY 6

To provide A. A. members with sports news, the Athletic Association initiated the A. A. News. The small photo-offset was published bi-weekly and distributed to all members. Marvin Siegel edited the sheet, with Fred Freyer as assistant editor, Arnie Olsen as Art editor, Max Traite as Production chief, and Mike Silverberg, Ed Neidorf, Paul Heller, Jerry Marks, and Leo Gabay doing the writing and leg-work as staff members.

FEBRUARY 7

During early February, Prof. Roemmele, Head of the Industrial and Student Relations Office, called together the senior engineering students to discuss job prospects. Prof. Roemmele brightened the otherwise dark picture by pointing out that over 90% of the preceding June class was presently occupied, a much better record than most of the other engineering colleges in the area have made. Prof. Roemmele also gave the seniors some tips on how to impress an interviewer favorably during the course of a job interview (Don't hand him a wet fish, boys!).

FEBRUARY 10

Just after the completion of intramural volleyball competition the Intramural Bowling tournament officially opened. Eleven teams competed in the five weekly matches at Bowlmor Alleys. SKT was the winner with an 18-2 record, though ODP came very close with 17-3. Last and least was the 4DEE group with 2-18 and no recollection of even winning those two (default, maybe?).



Seniors listening to Professor Roemmele



The AA NEWS staff at work



SKT star bowlers

Following a tradition of many years, Founders Day, Feb. 12th, was the occasion of two wreath laying ceremonies in honor of Peter Cooper. In one, Mr. Norvin Hewitt Green presented a floral tribute before the founder's statue at the N.Y.U. Hall of Fame, while at the same time a committee held a similar ceremony before the St. Gaudens statue in Cooper Square.

Despite the low state of extra-curricular interest this year, a small but undaunted group under the leadership of Jim Boulgarides formed an Annual Dance Committee. They felt that even though the SAP had expired, there was no reason to allow a tradition of thirty-two years' standing to lapse.

Thereupon, with the blessing and promise of financial support of the Student Council, they engaged Webster Hall, for the night of February 12, 1950, and embarked on a vigorous campaign to enlist 275 subscriptions. This goal, as had been feared, was not realized, and the committee finished the drive with a total of 200 subscriptions.

Encouraged by this support, though it was less than expected, Entertainment Manager Bill Warshofsky corraled an elegant assortment of talent, and the dance was on.

Left: Entertainment at The Annual Dance

Right: Wreath of Peter Cooper's statue in the Hall of Fame





Left: *Spring Drama Club performance of Copelia*
 Right: *Photography Editor Al Demaras in action before his accident*

MARCH 4

This night the Dramatic Club performed its spring production, three one-act plays entitled "The Bear," "Copelia," and "Hello Out There." "The Bear," a hilarious comedy by Chekhov, featured Max Traite as the Russian suitor of the aristocratic widow, played by Joan Annapolin. Norman Griner fell in love with his mechanical doll, Eleanor Cohen, in the second play "Copelia." This one was done beautifully in pantomime.

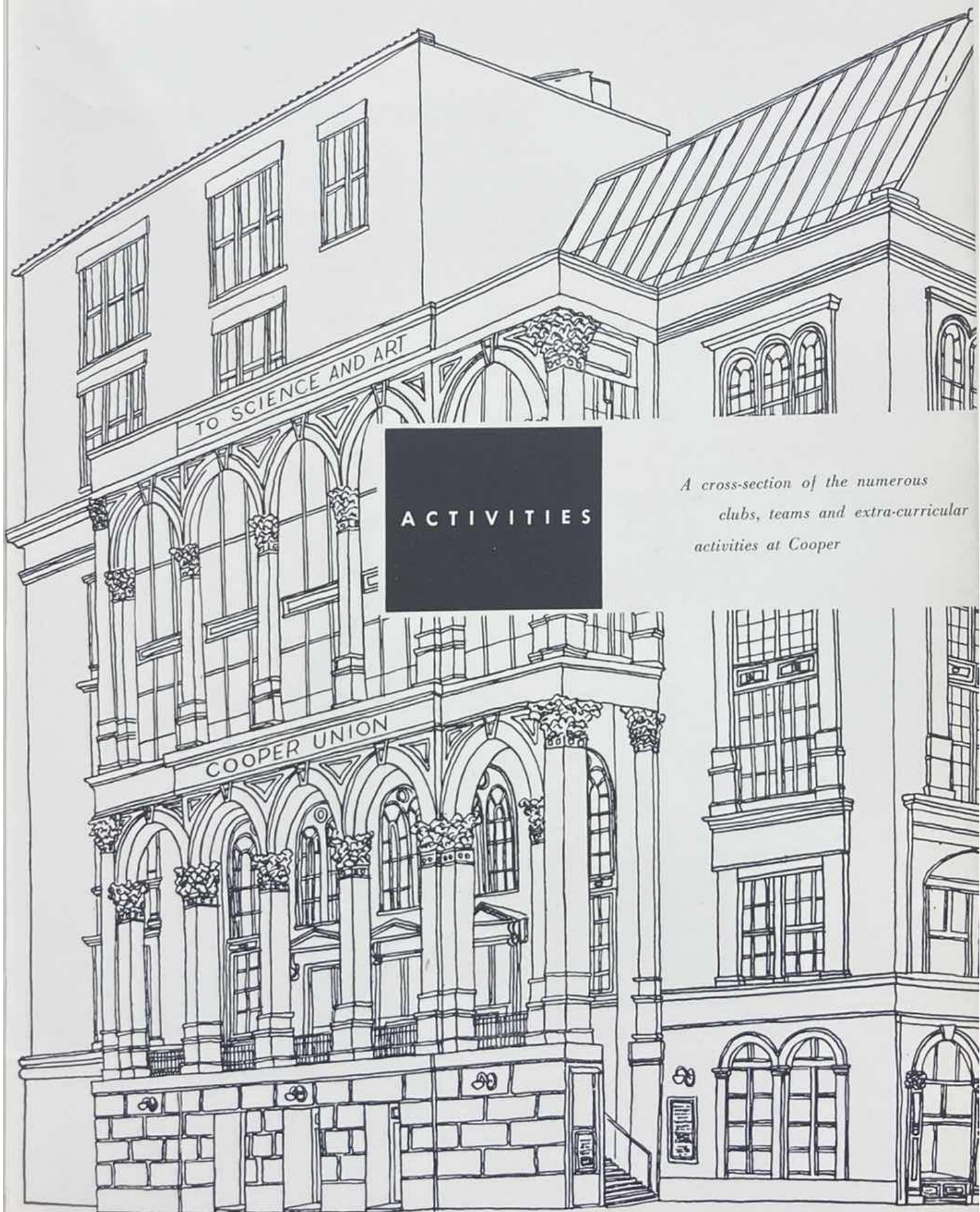
"Hello Out There," by Saroyan, was the high point of the evening. Irving Rosenhouse blossomed out as a full blown actor in his stirring portrayal of a jailed rapist. The drama was heightened by the excellent feminine lead, Gloria Gentile.

The club made its own costumes as well as designing and building its own sets. The final result netted the club much applause and many compliments for an excellent job.

Many of you can appreciate the trials and tribulations that went into the making of the '50 Cable, but its blackest day won't show, thank the Lord. Can you imagine what would happen to Life magazine if they lost all their cameras? Well, that's how black it was the day Al Demaras, our Photography Editor, was slammed to the floor of the Art School Shop on the sixth floor by a rambunctious piece of white pine. It seems the lathe he was fiddling with took a vast dislike to him and split off this most impolite "log" and threw it at his chest. Rushed to the hospital with every ailment under the sun, according to the scuttlebutt in the Cable office, we saw ahead of us a yearbook filled with just plain literature—God forbid! We still remember the great day when Al came back, after a swift recovery from internal hemorrhages of the lungs—flashgun still in hand.



*... with happy memories
we move ahead with
courage and confidence.*



TO SCIENCE AND ART

ACTIVITIES

*A cross-section of the numerous
clubs, teams and extra-curricular
activities at Cooper*

COOPER UNION

ARTS

THE STUDENT COUNCIL

In one of its first meetings, early in the semester, the student council elected its officers. Max Kerman 4D-EE was elected as chairman of the student council, with Martin G. Kurz 3DChE as vice-chairman, and Irwin Rosenhouse 3DA as secretary. A short time later, Stanley E. Goldstein 5 EvEE was elected chairman of the night council. Professor Norman A. Reed was elected and approved as faculty advisor to the student council. With the completion of organization, including the formation of several committees, serious work was begun.



. . . our governing body

One of the first topics for discussion by the student council this year, was the need of a constitution for the student body. The case of the constitution, which had been accepted by the student body the previous year, and which was then rejected by the trustees, was reopened. A delegation from the student council was advised that no constitution in the form of the rejected constitution would be acceptable to the Board of Trustees. The delegation was further advised to draw up a set of rules and regulations for governing the student body. Although the question of a constitution was kept in mind, work was begun on such a set of rules and regulations, to give the student council a basis to work on.

The student council held several social functions for the benefit of its own members. The first of these consisted of a successful party at the alumni house. Even though it was held a week before Christmas, the party was well attended. Entertainment was provided by the council members and a good time was had by all.

Early in the spring, the student council made a trip to Camp Green, accompanied by Professor Reed. A week end in the open did wonders for everybody after a winter of hibernation in school, and a swell time was had by all.





*A. P. Chairman Saul Davidson
and Treasurer Stanley Lazerus*

ACTIVITIES PLAN

A view of the Annual Dance

This year's A.P. Committee, headed by Saul Davidson as chairman and Stanley Lazerus as treasurer, decided at the outset of their membership drive that they would try a new method of approach in obtaining members. Rather than literally browbeating students into joining, as had been necessary for the past few years, an appeal was to be made on the basis of the responsibility and moral obligation each student had to support his college's extra-curricular program.

The A.P. conducted its membership drive in conjunction with those of the Athletic Association and the CABLE. A deposit system rather than the pledge system of past years was to be used to initially secure members and working funds. Talks were given, letters were sent to all students, the bulletin boards were plastered with posters, and finally a last ditch drive in the form of a canvass of the whole student body was undertaken. The A.P. membership drive, nevertheless, was not successful and November 15, 1949, marked the nadir in extra-curricular activities.



Although the Annual Dance, held on Feb. 12 at Webster Hall, was adjudged a social success by the attendant multitude, the financial history of this annual affair, for this year at least, must be recorded as a loss, to the tune of over one hundred dollars, to be more exact.

The one hundred sixty couples that did attend, however, did have a resounding good time. Master of Ceremonies, Bill Warshofsky, who can laugh no matter what happens, conducted a talented assortment through their paces in front of the Webster Hall footlights. Al Dworetzky teamed up with Fred Dolgon in a banjo act for the rendition of some ever-popular folk songs, and Arnie Soboloff did an appendectomy in pantomime which kept the audience in continuous peals of laughter.

It was a highly entertaining evening, and the only sour note was the financial loss which finally killed all hope of renewed student activity this year.

THE 1950

Cable

OFFICERS

IRVING W. HAMMER
Editor-in-Chief

THEODORE C. HEIN
Business Manager

GEORGE FRIED
Art Editor

GERHART KING
Literary Editor

ALEXANDER DEMARAS
Photo Editor

SOL BRODY
Managing Editor

HELMUTH KNAPP
Graduate Editor

CLIFFORD TEMES
Advertising Manager

SAUL DAVIDSON
Circulation Manager

EDWIN GREGG
Associate Editor

JONAS HARRISON
Editor Emeritus



THE 1950

Cable

STAFF

In the beginning there was an editor, Irv Hammer, encumbered by an editor emeritus and an associate editor in the disguise of Jonas Harrison and Edwin Gregg, respectively. Now an editor's job is to edit, so there must be something to edit or the editor would be useless. Since nobody, that is, practically nobody, wanted Irv to become known as "useless," a staff slowly, oh so slowly, gathered. A business manager was found in the person of Ted Hein who, since he already owned a car, might be expected to leave the Cable funds relatively intact. An alumnus of the Pioneer feature department was found to serve as Literary Editor and so Joe Engelberg became a member of the CABLE. Out of the Night Art School came George Fried, Art Editor and teller of jokes, and out of the Day Engineering School came Helmuth Knapp, Senior Editor and teller of jokes. That was the beginning.

Just about that time the Pioneer gave up the ghost and several stellar staff members of that well remembered publication switched allegiance to the CABLE. There was S. O. B. known as Sol Brody or "Here comes that man with the rings again" for short who managed to switch from managing editor of the Pioneer to managing editor of the CABLE without dismanaging himself in the slightest. If one editor could do it so could another and Alex Demaras transferred his cameras and his allegiance to the other side of the office. Among the non-editorial (or working) staff of the Pioneer was found Gerry King who became, at first, the only staff member of the CABLE and later, when Joe decided he didn't have the time to do his TBP key justice, Literary Editor.

There still was no staff but there were enough editors for a good pinochle game so the CABLE was officially started. Of course, there was the usual trouble in getting a sufficient number of subscriptions but these sordid financial details do not concern us now. Alex looked for photographers, Gerry looked for writers, and Irv looked for a 500 hand in spades. It finally turned out that all the editors took pictures, a genius was discovered in the shapely shape of Liz Reiman who could actually talk people into writing, and Irv is still looking. But the CABLE began to take shape.

The CABLE staff went to work, the CABLE came out, the rest is silence. Of course, if you missed the CABLE Camp trip at Thanksgiving or the Ex Post Facto parties you only have yourself to blame. You too could have been a member of the CABLE staff.

Literary Staff:

Elizabeth Reiman, Leonard Belkin, Joseph Engelberg, Jeanne Heiberg, Jerome Brody, Bill Gordon, Bill Warshofsky, Robert Spies, Eleanor Cohen, Irving Rosenhouse, Martin Kurz, Elsie Halvorsen, Billy Michael, Theodore Merkin, Al Klein, Bernard Fisher, Jim Boulgarides, Al Semmelroth, Bob Lubinsky, Harry Margolis, Ann Grijalconi, Lil'y Benedict, Max Traite, Rita Lobell.

Art Staff:

Stanley Lazarus, Leila Press, Marilyn Marcus, Gabriele Rosenberg, Lillian Charney, Seymour Sirota, Seymour Chwast, Irv Glazer, Ronald Mayrbaur!, Fred Kirr, Robert Bretz, Marion Schweitzer, Pearl Dornblum, Herta Lager.

Business Staff:

Don Bass, Ed Neidorf, George Wrage, Frank Kovacich, Paul Liebman, Carl Garbi, George Lardaro.



CABLE staff enjoying Thanksgiving turkey at Camp Green



Once upon a time, there used to be a student newspaper in Cooper Union. Called the PIONEER, it was run by the wackiest conglomeration of engineers and artists ever to stagger into the office on Third Ave.

Yes, once upon a time, these typical Jack and Jane Armstrongs, when not turning in false alarms, managed to produce an eight-page bi-weekly newspaper for the student body, boasting "All the fit that's print to news." Typographically, we were perfect! True journalists all, we fledgling Hemingways, Faulkners, and Caddwells considered school to be just a hobby, devoting our magnificent efforts to grinding out deathless prose. Those were the days!

Last year, when the team of Bernie Fisher, mischievous ME, and blond, blue-eyed Stan Kugler were handed the reins of the paper for 1949-50, the future of the A.P. was in grave doubt. With a five-man staff, the first issue was rushed up to Green Camp in time for the Orientation session. After registration, a staff of twenty-five sprang up from literally nowhere. Another A.P.-financed issue came out, and that was really "the last issue." However, we published a 16-page paper with a circulation of 9,000 for the 90th Anniversary, making the last PIONEER the biggest and best in its tumultuous 27-year history.

It's quite futile to mention everyone on our exclusive staff, for the list covers two volumes on the local police blotter. Always goading Kugler to hit Fisher is Harry Margolis, the cheapest Business Manager this side of Hungry Horse, Montana. Following up is the infamous S. O. Brody, Managing Editor who doubles as an art student named Jerry. Lenny Belkin, who did a great job on the 90th Anniversary issue, is our Associate Editor—he usually licks stamps.

Gone are the myriad "editors emeritus" and their infernal kibitzing. Instead we have the eager shining faces of photog Alex Demaras and luscious Arlene Achiron, Mata Hari of the sixth floor. There's the hard working team of King, Buchler, and Rutkowski, and the easy-going madmen such as Warshofsky, Siegel, and Michael.

Yes, once upon a time, the PIONEER came hot off the presses and the sight of twenty-five mad students was normal at Cooper. As for the PIONEER itself—we mourn our loss—and yours, too.

PIONEER

A number of fellows interested in bowling formed a club during the '48-'49 season. They were so successful in their informal competition with other schools that they applied for recognition in the A.A. and were entered into the varsity. In September, 1949, the boys unanimously decided to make the club co-ed. A full program was planned, including regular meets on Friday nights and classes for beginners.

After a successful season, the club is now looking forward to another enthusiastic group next year.



BOWLING • CAMERA • CHESS • BOWLING • CAMERA • CHESS



If every camera enthusiast at Cooper belonged to the Camera Club there would certainly be no shortage of shutterbugs. However, only a small percentage of shutterbugs have joined, and only since this year has the club had more than a mere handful of members. Since most of the new members are inexperienced, the chief activities of the club so far have been to teach basic techniques. Field trips and demonstrations are part of the club's program as well. At left—the Camera Club in their new dark-room.

BOWLING • CAMERA • CHESS • BOWLING • CAMERA • CHESS

Chess, a game that was started in dark antiquity, has long enjoyed an uninterrupted vogue as one of mankind's favorite relaxations. For the past few years, the Cooper Union Chess Club has been able to field an unusually good team, which, in its encounters with other schools, has accumulated an enviable record.

The two annual features of the Chess Club are the tournament and the Student-Faculty match. As in the past three years, the tournament was won by Gene Wachspress, thereby earning him the honor of playing the number one board in varsity competition.



The pen is mightier than the sword, but the spoken word is more pointed. This is the opinion of those Cooperites who have joined that verbal fraternity, the debating society. The first semester yielded particularly stimulating debates with West Point and Columbia on topics of national and international interest. Return debates are planned with these schools, and matchings of wits and words are also scheduled with Temple University and N.Y.U.



DEBATING • DRAMATICS • FENCING • DEBATING • DRAMATICS



The Cooper Union Dramatic Club has weathered an unusually active year. In addition to its customary December and May presentations, the following one-act plays were produced in March: Anton Chekhov's "The Bear," a near farce; a project in pantomime written by E. A. Hoffman and going by the title of "Olympia," and finally "Hello Out There," by William Saroyan. For its season's finale in May the Dramatic Club will choose a play from the text used in the freshman year in an attempt to enrich the Humanities Curriculum and make it more enlivened for the student.

DEBATING • DRAMATICS • FENCING • DEBATING • DRAMATICS

The Cooper Union Fencing Club is the place where students may find an outlet for their more sadistic instincts by lunging at each other with foil, epee, or saber. The meetings began in a spirit of high enthusiasm this year. The call for new blood resulted in a surprisingly large number of new members. These foolhardies were put through a vigorous training, a period that was accompanied by a few aching muscles and many hours of strenuous but enjoyable work. Most of them are now competent swordsmen, lithe, limber, and graceful in action.





The Folk-Song Group, founded this past fall, has attempted to provide a weekly get-together where Cooper students could gather to relax and enjoy the folk-culture of the U. S. and other lands. Guitar classes have also been arranged. During the past year the group gave appropriate performances during Christmas week and also at exercises commemorating Negro History week. The group expects to expand its activities in the next year, providing many hours of enjoyment and education "after hours."

FOLKSONG • IZFA • HIKING • MATH • FOLKSONG • IZFA

The Cooper Union Chapter of the Intercollegiate Zionist Federation of America was organized in 1948 by a group of Cooper students who felt the need for an organization on campus in which Jewish cultural and religious activities could be carried out.

After lying dormant for a year, the IZFA was revitalized in December 1949 by segments of the freshman class, and once again functioned on an active basis. A program was formulated for the spring semester, and the rejuvenated chapter now shows signs of great promise.

FOLKSONG • IZFA • HIKING • MATH • FOLKSONG • IZFA

There is something intriguing about an overgrown trail or wagon road, and the Cooper Union hiking club has travelled along many of them. With hikes arranged for everyone from real dyed-in-the-wool woods men to the most inexperienced tenderfoot, they have had an active year of navigating in the woods. Sometimes the destination is an old iron mine or cupola, and often a broad panorama is the reward of a hard climb. The development of the camp site at Green Camp has now become a major club project.

FOLKSONG • IZFA • HIKING • MATH • FOLKSONG • IZFA

The aims of the Cooper Union Math Club have always been to acquaint its members with those phases and topics of mathematics which are not covered in the curriculum of an engineering course.

The lectures are usually restricted to a level which will interest students in all years, including freshmen. Every member has the right to prepare and present a lecture to the members. At times members of the faculty, and alumni, are invited to address the club because they are able to make the students aware of and interested in topics which they can then pursue at their leisure.



A "new" Newman Club is developing. This, the only religious organization at Cooper Union, is for Catholic students, and attempts to complement the secularism and materialism inherent in modern society and reflected in modern education through a well integrated program of spiritual, intellectual and social activities. The day and evening schools each hold separate meetings, but both the two groups are brought together by several joint activities such as Communion Breakfasts, a trip to camp, and an annual Christmas meeting.

NEWMAN • ORCHESTRA • RIFLE • SKI • NEWMAN • ORCHESTRA

After almost two years of enforced idleness because of lack of talent, the Cooper Union Student Orchestra made its reappearance this year. The orchestra consists of a group of enthusiastic art school freshmen, plus two equally zealous Mechanical Engineers. It has risen to new heights of accomplishment under the masterful and inspired guidance of Maestro Herberto Roemmele.



NEWMAN • ORCHESTRA • RIFLE • SKI • NEWMAN • ORCHESTRA



Engineers who want to prepare for future spats with sub-contractors and artists who fear the slings and arrows of outraged critics have gathered together in a secret mutual protective association masquerading under the innocent sounding name of the Cooper Union Rifle Club. These aspiring nimrods spent most of their spare time at the now almost fabulous log cabin located at Camp Green. Erected by the sweat of their brows and finished last year, the cabin serves as a gathering place for both present and past members of the club.

NEWMAN • ORCHESTRA • RIFLE • SKI • NEWMAN • ORCHESTRA

The Cooper Union Ski Club was organized with much enthusiasm this January. Its twenty odd members are still cherishing fond memories of exhilarating experiences spent on local and some not-so-local slopes. The majority of the members are either beginners or novices, but the more experienced (Co-Presidents Tom Eisner and Einar Asmundsson are both experts) are always available for help, instruction and guidance. On Thursday or Friday, the meetings are always filled with valuable information as to where the snow is and who's going to enjoy it the coming week end.

The purpose of the table tennis club is to give recreation to its members and develop their skill so that the club can be the nucleus of a team that will be able to represent the Cooper Union in intercollegiate competition. The activities this year included a round-robin tournament in which each club member played every other member a "best two out of three series." The participants were then arranged on a 'ladder' and a system of improvement by challenging was evolved.

TABLE-TENNIS • WEIGHTLIFTING • YACHT • YPA • TABLE-TENNIS

Did you see "Samson and Delilah" at the Paramount? If you missed it you can see Samson, unfortunately without Delilah, at any meeting of the newly organized Weightlifting Club. These exponents of the "body beautiful" have formed this group under the able leadership of Danny Schockett in order to try to improve their physiques, stamina, condition and S.A. Starting their grunting and groaning this year they really expect to be heard from next year.



TABLE-TENNIS • WEIGHTLIFTING • YACHT • YPA • TABLE-TENNIS



Engaging in at least one regatta each week-end during the fall and spring seasons, the Yacht Club has made an excellent showing during the past year. They have managed to come through with a .500 average, competing against some of the largest schools in the Middle Atlantic. Three Woe-Nip sailboats, built by the club in the lower reaches of the Foundation Building, have been in use for two years, and have proven to be equal in performance and quality to those of professional boat builders. They are kept at City Island, on Long Island Sound, and are used for regattas, for practice, and training, as well as for informal sailing by club members.

TABLE-TENNIS • WEIGHTLIFTING • YACHT • YPA • TABLE-TENNIS

The Young Progressives of America has slowly enlarged its program from one of mere political education and activity to a point where it includes almost every area of student interest. When the students complained that social activity at Cooper was on the wane, the YPA began to hold weekly "suppers at Rosie's," before the Friday evening forum lectures, at Irwin Rosenhouse's studio. To make up for a lack of a ceramics course at Cooper, this group opened a ceramics workshop on Fifth Street. The YPA has also planned an inclusive program concerning Negro History. At the base of all this activity is their fundamental struggle for "Peace, Freedom, and Abundance."

Cooper is a hard grind. Everybody who has gone through the three or more years, will admit to that. Cooper leaves the student little time to pursue his outside avocations. Yet, year after year, a little group of students is found who cheerfully take the weight of extra curricular activities on their shoulders. To these workers the Student Council awards the gold "C" and those few who do far more than their share are honored with a silver "C."

GOLD



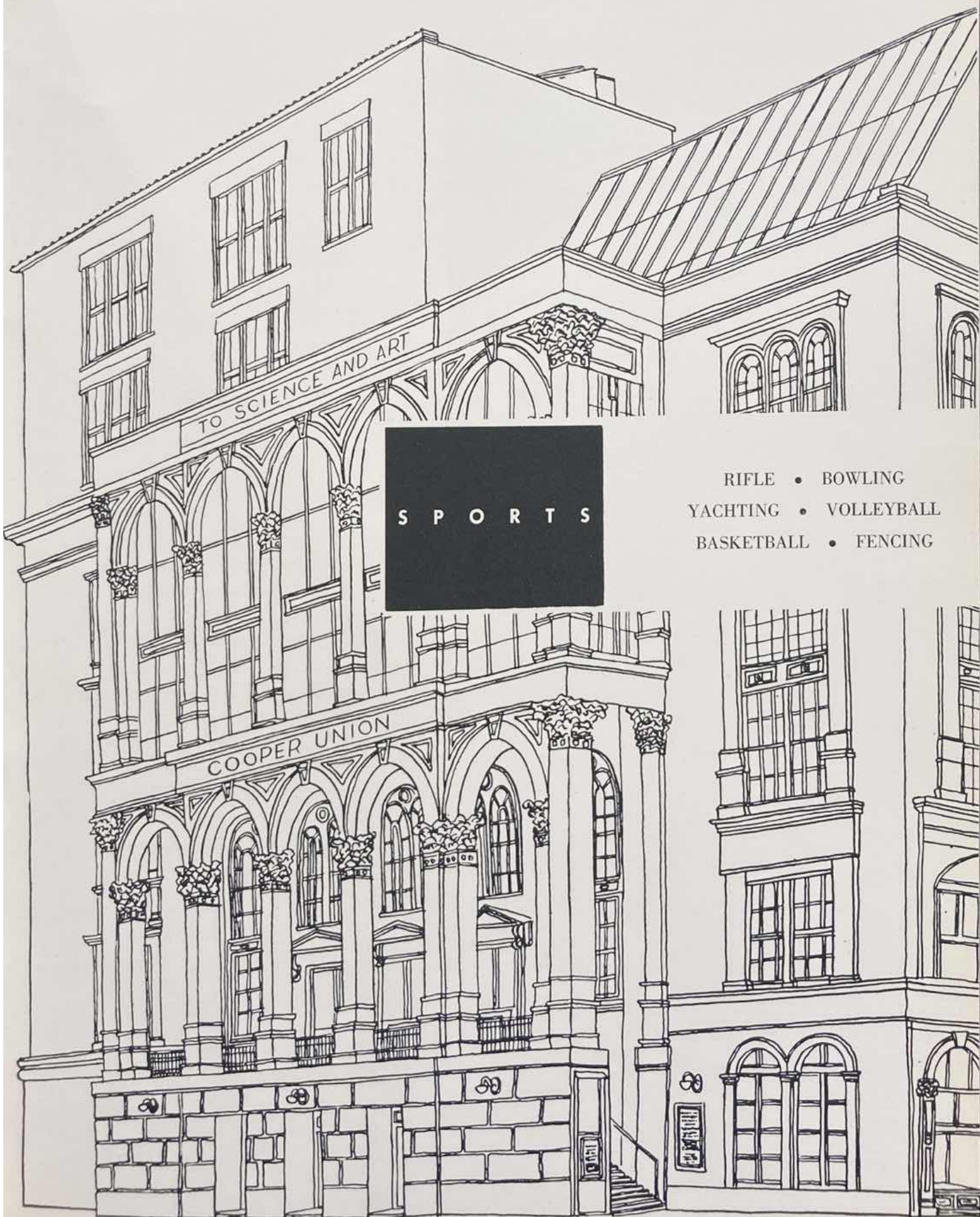
Lilly Benedict
Leo Berman
Harry Bernstein
Robert Booman
Ruth Bowden
Sheldon Brody
Lillian Charney
Eleanore Cohen
Eleanor G. Cohen
Henry Cubberly
Alexander Demaras
John Dewender
Fred Dolgon
Norman Falk
Frederic Freyer
George Fried
George Geisenhainer
Gloria Gentile
William Gordon
William Haslin
Theodore Hein
Raymond Horky
Joseph Hornik
Walter Kahn

Sidney Kaufman
Frederic Kirr
Albert Klein
Harold Kleinman
Martin Kurz
Jack Kuster
Robert Lubinski
Marilyn Marcus
Theodore Merkin
Herman Most
Robert Muller
Edward Neidorf
John Nolan
Ernest Nussbaum
Arnold Olsen
Leila Press
Donald Reiser
Albert Roberts
Daniel Schochet
Harold Semmel
Joseph Sorrentino
Michael Silverberg
Max Traite
Jerome White
George Wrage

SILVER



Leonard Belkin
Jerome Brody
Sol Brody
Saul Davidson
Stanley Goldstein
Jonas Harrison
Max Kerman
Gerhart King
Stanley Kugler
Stanley Lazerus
William Michael
Harold Margolis
Elizabeth Reiman
Clifford Temes
Eugene Wachspress
Willard Warshofsky



S P O R T S

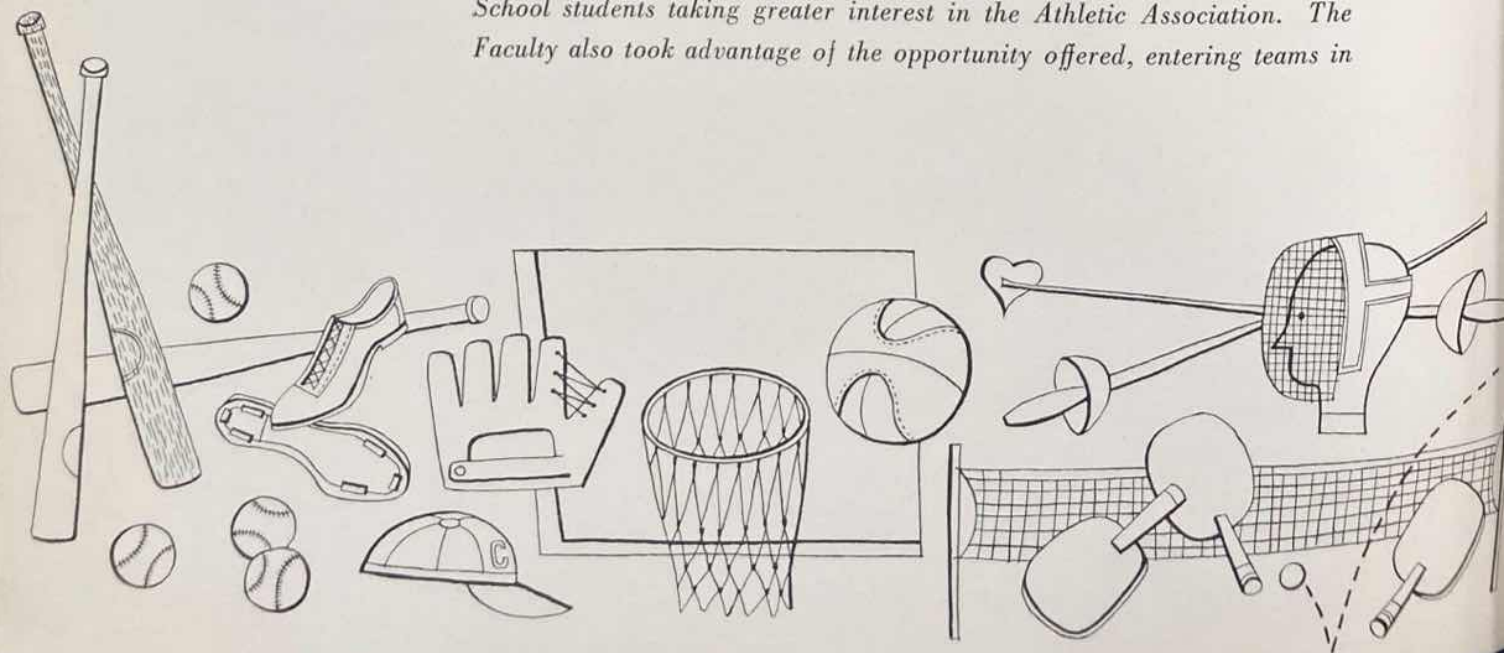
RIFLE • BOWLING
YACHTING • VOLLEYBALL
BASKETBALL • FENCING



ATHLETIC

The Cooper Union Athletic Association is an association of all recognized athletic groups at the Cooper Union. The association is guided by the governing board which consists of twenty-eight members: AA officers, varsity and intramural managers, and assistant managers. The board meets bi-weekly to hear activity reports, and to decide on any intramural protests which arise. The association is itself responsible for several activities. This year it sponsored the 2nd Annual Field Day and the 4th All Sports Dinner. In addition it initiated several new activities including varsity bowling and a sports newspaper. These activities are described in greater details elsewhere in THE CABLE.

It was especially gratifying this year to find the Art and Night School students taking greater interest in the Athletic Association. The Faculty also took advantage of the opportunity offered, entering teams in



the Volleyball, Bowling, and Softball Intramural Tournaments. Instigators of the happy invasion were Profs. Hollinger, Berninghausen, Green, Fairchild, and Messrs. Ferrand, Bogusz, Malone, Yampolsky and Alpern.

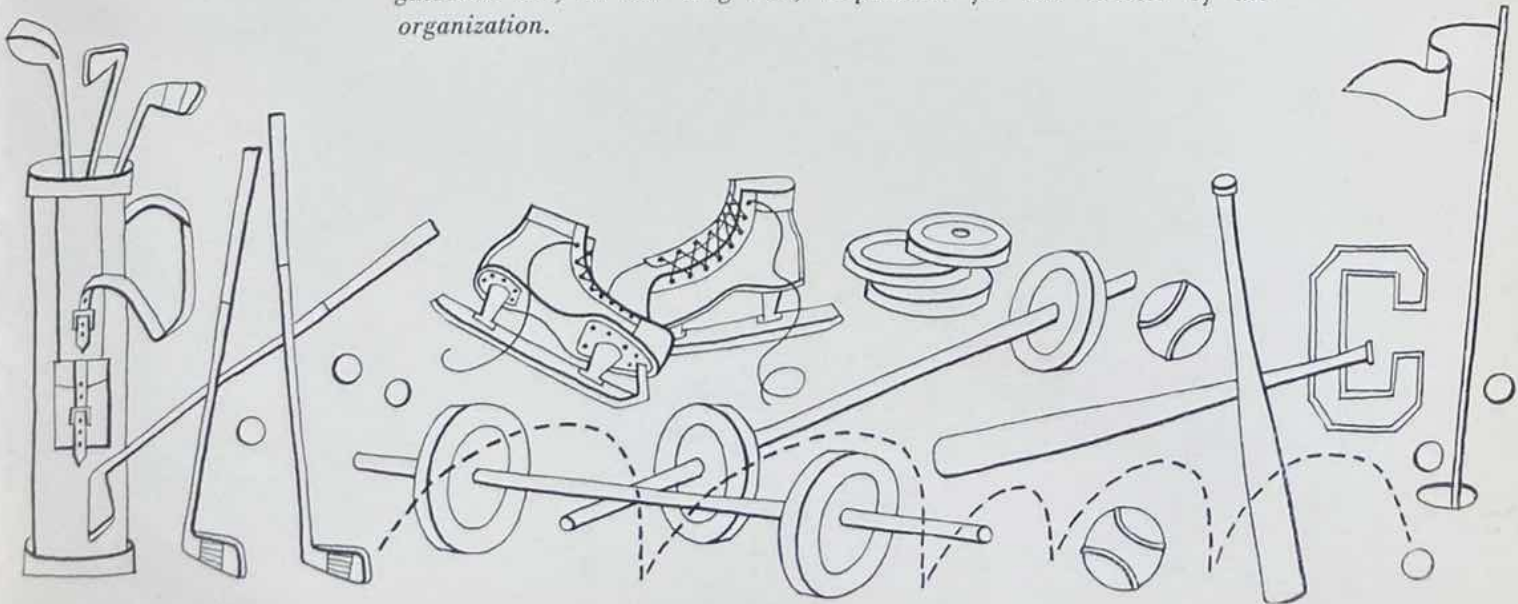
The main job of the AA, in addition to the intramurals, is the smooth functioning of the ever growing list of varsity sports. The existence of basketball, fencing, yacht, bowling and rifle teams with the soon expected addition of a volleyball squad, bear witness to the efforts of this year's, and past years' Athletic Associations. The biggest item was still basketball.

ASSOCIATION

the only spectator sport on the list, and every home game was followed by dancing to the music of Cooper's own orchestra. Although our teams, engaged in stiff competition, did not fare as well as could be hoped, varsity sports are now an integral and growing part of the Cooper scene.

Ably leading the AA this year were Gene Wachspress, president, Jack Goodman, V.P., Jerry White, Secretary, and Ed Neidorf, treasurer. Special notice goes to Fred Fryer, the personality laden nemesis of all engineering students whose inspired poster committee supplied nearly all the sports publicity during the year.

Sincere thanks are due to the Alumni Association for its moral and financial support and to Professor J. C. Hollinger whose interest and guidance are, in the long run, responsible for the success of the organization.



INTRAMURALS

Intramurals, the backbone of the A.A. as far as the average student is concerned, after its spectacular rise in the first few post-war years, has leveled off to good management through the efforts of the organization to make sports available to as many Cooperites as possible.

Leading off the school year, as always, was the Volleyball tourney, and the present CE Seniors could not hold the championship passed on to them by the CE Graduates, with the 2DChE boys proclaimed the new champs after a fast and furious set-to.

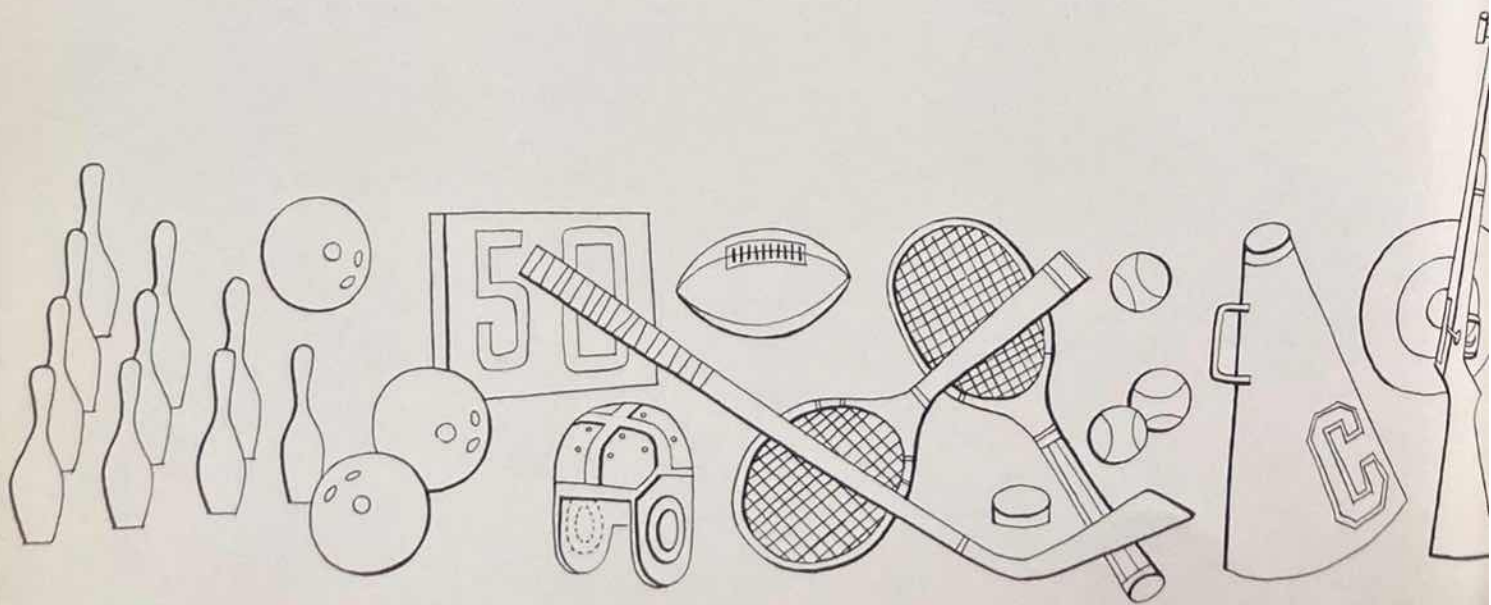
Bowling was once again a fight among the fraternities, but for the first time in three years, ODP was not first, having lost out to SKT, who won the most games. Top team average went to ODP as a consolation, with LSK taking third in both team average and game percentage.

Basketball as usual wasn't decided until the close of the tourney, after the Cable was put to press; but this year the underclassmen are showing more drive, with, as usual, many an upset "scheduled."

Softball will carry through very probably to the last day of the school year, under hot sun on the concrete pavements of the city parks, with more students participating than in any other sport—ten men teams, y'know!

Handball is defined as a perpetual battle among the handballs, the walls, the player's sneakers, and the endurance strength of the human hand. The tourney is to be held just across the street from the "Church."

For the hardy souls who brave the pigeons and bread crumbs on the "campus," Paddle-tennis time is a sign of the approaching end of the school year, with graduation around the corner.



Yachting**Major**

*Richard Graven
George Evans
George Wrage
William Zschaler*

Minor

*Robert Ohlmann
Anthony Ianuzzi
Maurice Lynch
William Van Zwienan
Raymond Schwab
Allen Haughwout*

Bowling**Major**

*Philip Matcovich
Thomas Matcovich
Robert Muller
Sidney Zigas*

Minor

*John McHale
Hugo Toczek*

AWARDS

Cooper Union is not a big school, most of the rah-rah of other schools is missing. We don't go in much for sports, for to both art and engineering students Cooper is first of all a place of study. But some of us still manage to spare the time to participate in varsity sports, as related on these pages. For these efforts the Cooper Union awards them the athletic "C."

PLAYER OF THE YEAR: GEORGE WRAGE**Fencing****Major**

*James Brady
Harvey Cohen
Norman Falk
Martin Jaffe
Gerhart King
Victor Liguori
Gerald Marks
Ernest Nussbaum
Arnold Olsen
Gerhart Reinert
George Strickholm
Henry von Spreckelsen
David Wassertheil*

Minor

*Stanley Brust
Alexander Demaras
Jeanne Heiberg
James Hunt
Lawrence Kreshin
Martin Seitz*

Rifle**Major**

*J. Carl Apsley
Robert Kalin
Don Reiser
George Wrage
Harold Kleinman
Robert Ronchetti
John Proctor
George Kaufmann
Henry Schreiber
Robert Skowronek*

Minor

Robert Booman

Basketball**Major**

*Harry Bernstein
Kenneth Downs
Stanley Dumovich
Jerrold Franklin
Arthur Kaplan
Richard Keates
Robert Kolb
Earl Lillie
John Lynch
George Tishkewitz*

Minor

*John Heidengren
Herbert Lubitz
Melville Offner
William Paulus
Thomas Ramoino
James Siwik*



RIFLE

The Rifle Team began the year with a trip to the now-famous log cabin to give the new occupants, termites, the DDTs. The club then settled down to its business of losing rifle matches, which it did quite magnificently. As with all teams in Cooper the competition was of too high a "caliber" but nevertheless the team ended the season surprisingly well.

The major event of the year was the Gano Dunn Rifle Match held in April at Green Camp with trophies awarded to the winners. Throughout the year there were numerous camp trips to the cabin and many improvements were made on it. The season's end was celebrated with a hayride held just before the end of the school.

The Cooper Union Bowling Team gained varsity status this year. The team participated with St. John's, Fordham, Queens, and six other colleges in the Metropolitan Intercollegiate Bowling Conference. Matches were rolled every Sunday, except for special holidays from October until April at the City Hall Bowling Alleys. The team practised every Friday at the Bowlmor Alleys. In the Conference they got off to a slow start, but finished the season a high spirited, skilled unit. Since the team will lose only one man by graduation this year, it is expected that they will "roll" up a much better record next year. However, The Cooper Union may rightly be proud to claim the team that finished this season though its record was marred by a poor start. This year's team was managed by Tom Matcovich, with Bob Muller as his assistant. Mr. Alpern was faculty adviser.

BOWLING





YACHTING

It doesn't seem to take much skill to hit a ball over a net but eight stout Cooper students have been arduously practicing just that in order to gain, as members of the Volleyball team, new athletic renown for Cooper Union. The team started its life last year by participating in an intercollegiate tournament at Springfield.

After Coach Morris Zarchen had given the wealth of his experience, as well as his reputation as a coach, into the tender keeping of the team, the team justified his faith by soundly trouncing a faculty aggregation in the opening match of the season.

This small chore out of the way the team turned to the serious business of life: intercollegiate competition. The highlight of the season was a match with our brother-engineers at Rensselaer.

With three boats in their possession the Yacht Club now keeps busy during their off season by preparing the boats for the coming season. The team is a full member of the Middle Atlantic Sailing Association, and in addition to competing with this group they were able to hold three-way meets in their own boats at their City Island home grounds. Every year the club also sponsors the Greater New York Novice Championship. The trophy in this event was won by Adelphi last year.

In addition to intercollegiate competition, the club holds an interclub competition each year for the Tom Seldorf Trophy which consists of a suitably mounted and enscribed McSorley Mug. Last year the trophy went to Gary Evans and Bob Ohlman.

The club claimed thirty-two members last year with Gary Evans as Commodore, George Wrage as Vice-Commodore, Dick Graven as Treasurer, and Bill Zschaler as Secretary. Professor C. Higbe Young is the faculty advisor.

VOLLEYBALL



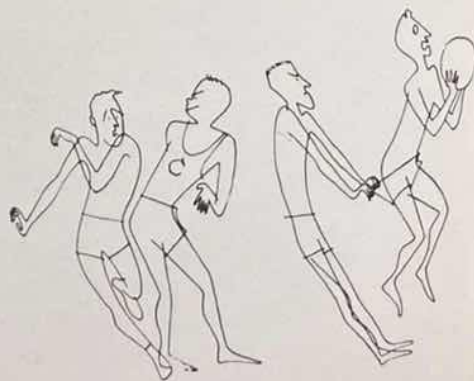
With the season drawing to a close, the Cooper Union Basketball Team sports a record better than that of last year, despite the loss of five of last year's regulars. To offset these deprivations was the pleasant surprise of the incoming freshmen. Bob Kolb has averaged 17 points a game and his associate at Newtown High School, Jack Lynch, has made a name for himself by his expert playing.

Other regulars such as Tishkewitz, Dumovich, Downs, and Kaplan are the main holdovers from last season's squad. Downs has been doing a fine job of backboard work in addition to his scoring. Tishkewitz's scoring has also picked up with his 22 points in the Brooklyn Pharmacy contest.

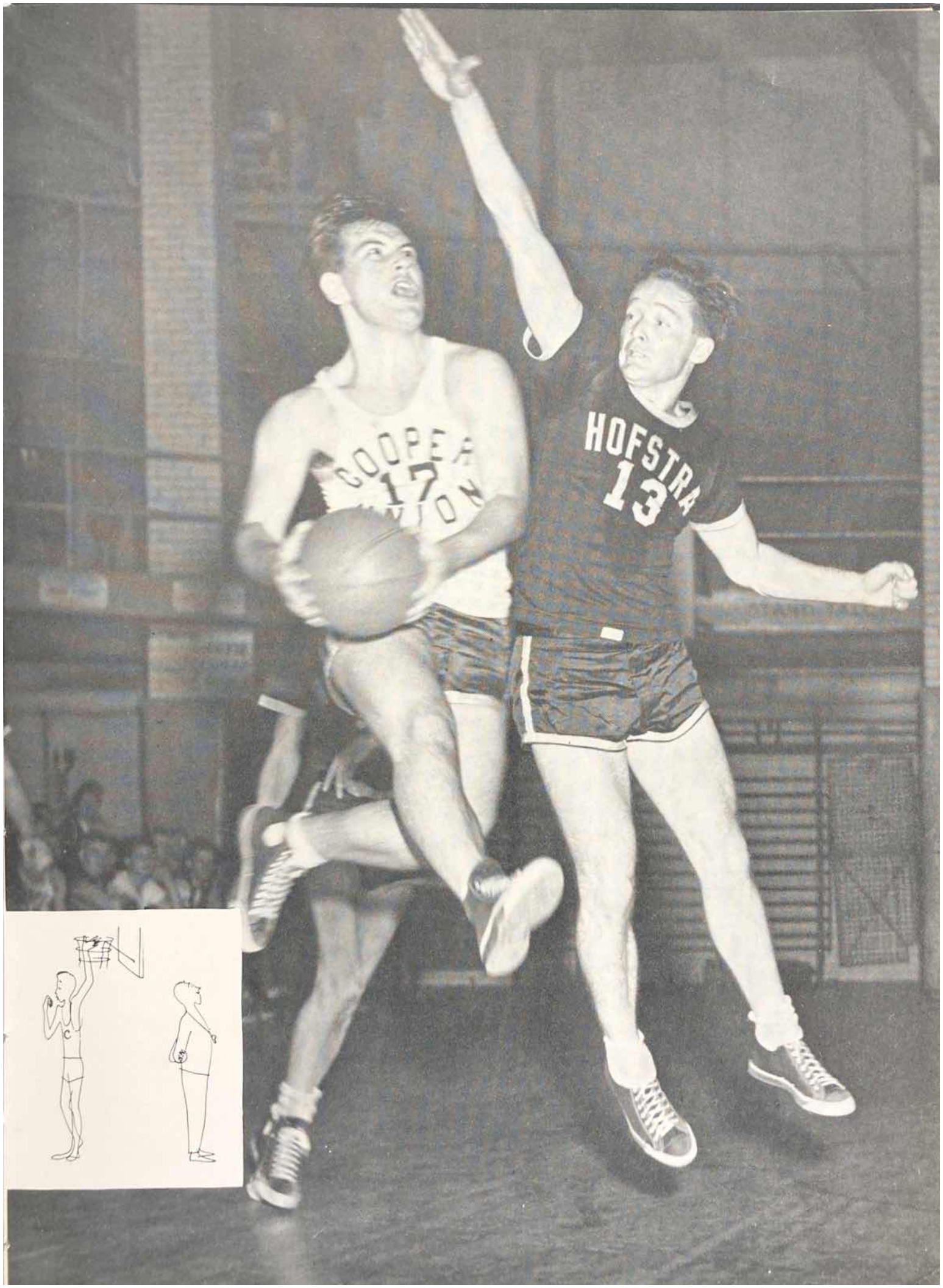
The opposition faced by the Varsity this year was made tougher by entrance into the newly formed Greater New York Collegiate Conference. The Conference consists of eight teams; Brooklyn Polytech, Queens, Adelphi, Hofstra, Kings Point, Wagner, Pratt and Cooper Union. Among the Conference members, Hofstra, Wagner and Kings Point represent new additions to Cooper's schedule. Pratt Institute was the only member to succumb to Cooper Union in an exciting game decided in the last minute. C. U. won 57-54. Cooper did not fare as well against the other league members. Good showings were made at Adelphi, Kings Point, and Brooklyn Polytech. The C. U. Hoopsters ran up 66 points in the Adelphi game but to no avail. Adelphi scored 90, hitting for 48% of their attempts, a phenomenal average. At the Polytechnic contest, prospects were greatly enhanced by the presence of Bill Finkernagel who made 12. Final score, 68-56, Brooklyn Poly.

An excuse for the league record can be ascribed to our lack of reserves to back the hard-driven five. Up-to-date Cooper has won all non-league games save two. One, an overtime game, at Philadelphia Textile and another one-pointer with the New York Aggies.

The success of this season is due in a large measure to Coach Dave Tobey. Mr. Tobey, a very prominent man in the basketball world, is well known, not only as a coach, but as a referee, player and lecturer. In his earlier years, Coach Tobey played with several professional teams and was a member of Lou Gehrig's famous "All Stars." He was well known as one of the finest officials in the game until his retirement from officiating in 1940. He has also written a fine book on the subject entitled, "Basketball Officiating." Mr. Tobey deserves the highest of praise for the excellent job he has done both for The Cooper Union and for basketball in particular.



BASKETBALL



This year's Cooper Union Fencing Team faced the greatest number of adversaries in its history, and—for the first time—on its own home strip.

With the financial aid of the Alumni Association, and inspired by the increased interest in fencing, the activities of the fencing team have increased to an unprecedented degree. Among the new members are some night students, quite a number of freshmen—and girls—promising a history-making female contingent for next year.

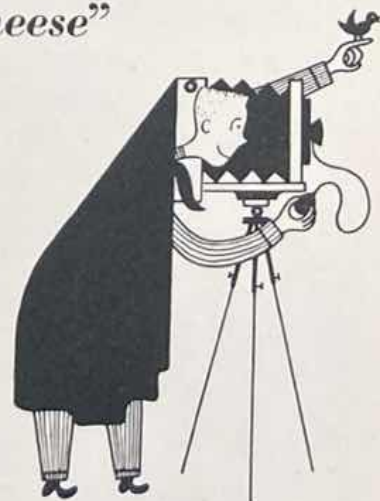
The new, invigorated fencing team met TWICE weekly for tutelage by its new instructor and coach, Mr. Jerry Widoff. Mr. Widoff, the former captain of the C.C.N.Y. fencing team, and the winner of the 1947 North American Epee Championship and Wilmington International Epee Championship, is also the assistant coach to the C.C.N.Y. team.

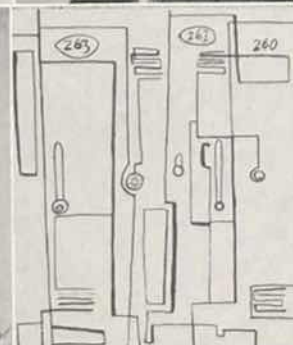
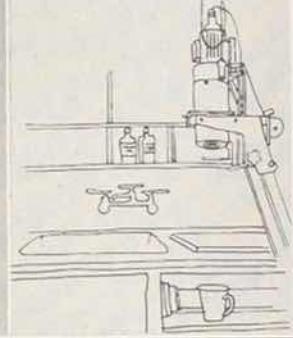
Among those leaving the team via graduation will be David Wassertheil, the team's co-captain, who last year got the "weapon of the year" for winning the greatest number of bouts in intercollegiate competition. Despite the loss of many of its top-notch performers, a large number of fencers "par excellence" remain, and the ranks are being strengthened by hard working newcomers.

FENCING



“say cheese”





Jesse L. Acker

The members of his class always consider it an honor to have Jesse as a bridge partner. He bears the distinguished title of "finessable Acker". Jesse is Vice-Ruler of SKT and a constant competitor in intramural sports.

Joseph Agresta

Joe, an active member and president of the Newman Club, went through four years of Electrical Engineering with a scholarship and the belief that hard work also helps. However, he still holds a fond recollection of out of town college girls.

John V. Anderson

Youthful looking John with the ready smile and quick wit nevertheless, at times, betrays his engineering side. The father of two lovely daughters, he'll boast about them if you let him corner you.

Joan Annapolen

Tall, willowy Joan pleases and startles her friends and teachers with her use of bright color. She starred in the Dramatic Club during her three years here, which brought her a much deserved Gold "C".

Emil J. Antonucci

The theologian according to Gill. His eloquent reasoning combine with his humor to create his modern or Antonucci forms.

Joseph C. Apsley

Easy-going and quick with the jokes, J.C. is also quick with the rifle, having served as Mgr and President of the Rifle Team. A member of ODP, he's also known as one of the builders of the Log Cabin at Green.

Dorothy Avrich

Look for a wonderful dancer as well as a fine painter and you've got Dorothy Avrich. Her humorous personality lent gaiety to the class.

**William L. Bailey**

Quiet and unassuming but having a high caliber of original thought, Bill is expected to reach the top in the field of industrial design. His other major interests are a wife and child, model railroading and photography.

Theresa A. Bardizbanian

Terry's doodles of little figures have become an ingenious inspiration for her work. She is a friendly smiling girl with a good word for everyone, which results in her popularity with all of us.

**Harry Baum**

Quiet, but smart, Harry serves as a source of reference for confused fellow MEs. Known as "eagle eye," Harry served as president of the Rifle Club and as a member of the Rifle Team. He likes good food but would rather not shoot his own.

William P. Beck

Speed demon of the class, Bill turns out drawings and lab reports at the speed of light. It's still a mystery how he does it. Maybe you learn more in the front row? He's also a member of ASME and is an LSKer.

Leonard Belkin

Quiet in class, Len makes up for it in his activities with the CABLE, ASME, Alumni Association, and as Associate Editor of the Pioneer. He manages to keep the grades high with keys of Tau Beta Pi, Pi Tau Sigma, and Lambda Tau to prove it.

**Lilly H. Benedict**

With Lilly's graduation, one of the mainstays of the Dramatic Club for the past three years will be gone from C. U. A swell gal, who doesn't take offense even when faculty members whistle at her, she is also a good artist.

Leo Berman

Leo has reorganized the study habits of the engineer. He advocates tearing out the pages as he reads in order to avoid re-reading this material and wasting valuable time. Leo is president of the Evening Chapter of the A. I. E. E.

Mones Berman

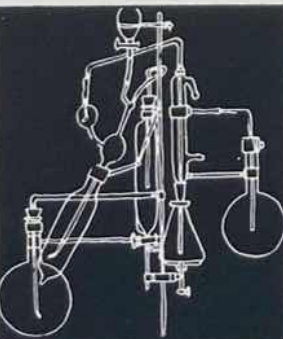
Mones is a learned member of the night electrical engineering class. He has said that he is sincerely grateful for the opportunity given him to attend Cooper Union. His friends will all miss Mones after graduation.

**Shirley Berman**

Femme fatale of the class of '50, but, alas, engaged, Shirley has amazed us with her fertile brain and slanty eyes. We'll never forget her blue-green paintings and orange scarves.

Arnold B. Blumberg

The recess croupier of the Monte Carlo set. Arnold spent his three years at Cooper quietly doing well what was asked of him.

**Archie F. Boscia**

Archie met his wife at Green Camp. Since then, he's been gaining weight steadily (hmm). We hear that she whips up a terrific batch of Lasagna. Archie is a crackerjack electronics man who can actually repair radios.

Bernard X. Bovasso

The old salt of the Day Art School, Bobo ships out with the Merchant Marine and is constantly painting with such quality as to be matched only by his sea tales told in the same quick eager voice that enters into philosophical discussions.

Ruth Bowden

Ruthie is a member of ASCE, secretary of the Hiking Club, and on the staff of the Cooper Survey. She is usually available for most of the odd jobs confronting these organizations, if she isn't running from the class wolves.

Frank R. Bradley, Jr.

Frank started his education in the Day School of Engineering and is now graduating from the Night School after a tour of duty in the Army. Happily married and bechilded, he doesn't get any more time for intra-mural athletics; has to settle for bowling with the boys.

Leo J. Brancato

Leo is one of the more serious members of the night mechanical engineering class. He is an avid listener of classical music. Although Leo doesn't talk much, he apparently knows all the answers.

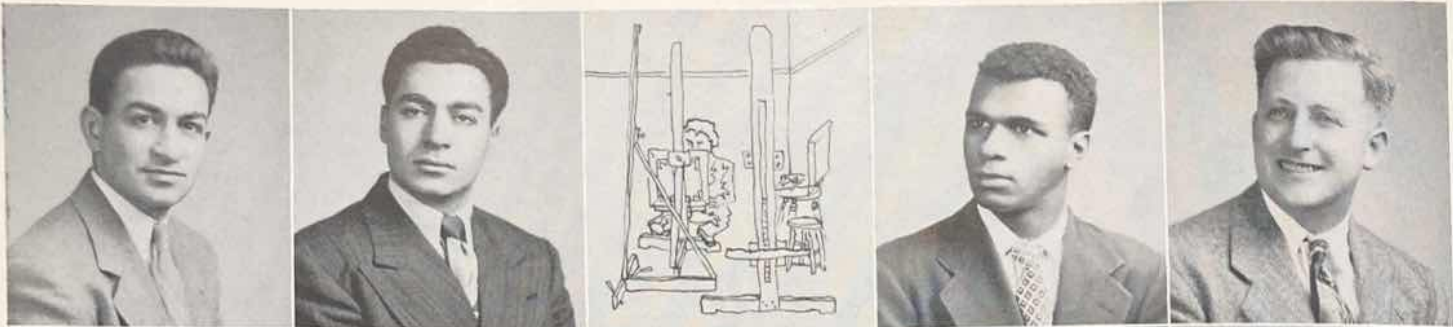
Rhoda Bremer

Has a rough time on the subway every morning, commuting from the Bronx. Her sense of humor sees her through, though. She also has a pretty well-balanced sense of design, and should go far in the field.

Norman S. Briskman

His hobby is models . . . ships and planes that is . . . although he confesses a liking for the other kind . . . blondes, brunettes, and redheads that is. Norman started out as a butcher boy but now everyone expects him to bring home the bacon in the field of design.





Jerome J. Brody

Jerry, with the twinkle in his eyes is a well liked friend to us all. His ready wit is as much of an asset to the class as to Jerry. He's been very active working for the Dramatic Club and doing some very fine painting.

Sol Brody

In the eight odd years which he spent at Cooper, SOB has poked his strangely shaped nose into many diversified organizations. By the lowest political chicanery he captured the post of Managing Editor of first, the Pioneer and later the CABLE.

**Edwin W. Brooks**

Eddie's shy smile hides a good natured and humorous personality. We'll long remember him as one of the outstanding painters in our class and we know he'll go a long way.

Solomon J. Brown

Sol is a night electrical engineer who specializes in power construction work. On Sundays he finds time to take his family (wife and child) for enervating tours of Brooklyn. He also finds that life at Cooper could be easier.

William J. Bua

Suave Bill is a night artist of the Graphic Arts option. Talented lad, he is ever popular, always willing to lend a helping hand, and will be much missed by his fellow classmates.

Michel Calman

Michel has been known to assume the role of a joking whirlwind. His ready wit manifests itself through his satirical plays, essays, and caricatures. During his last year at Cooper Union he acted in his own play. Of course, it was a success.

Julius E. Capozzi

When Julius isn't running to meet a deadline, he likes to spend a quiet evening at home reading. But a fellow can make lots of friends on those other four evenings of the week, and his classmates will long remember him.

Elena M. Carcel

A cheerful person, Elena designs beautiful greeting cards. A lively girl, she enjoys long rides in the country, good company, dancing, and men (one lucky chap in particular).

Vincent Caruso

Vince is a night artist from Long Island who should some day make a name for himself in the field of Architecture. Quiet and well liked, Vince works hard and does well.

**Leon Chajson**

Lee is the undisputed champion marathon report writer among the Chemical Engineers. In spite of this he is a Tau Beta Pi member and the winner of the Herbert Baldwin Fund prize for the best record in the 3rd year Ch. E. course.

Henry Chu

Easy going, hard working Hank is one of the saner members of the day EE's. He is bound to be a success in his chosen profession of electronics.

Theodore Cohen

Ted is the quiet type of student who, if you didn't especially look for him, you'd never know was there. Just about the best dressed in the class, he can always be singled out by his ever present bow tie.

**Lucy Confalone**

A pretty dark-eyed miss. Lucy managed to maintain her calm and reserve amid the mad hustle of the Day Art School. Friendly, she is always ready and willing to help out her classmates with the same sound advice.

**Julius Cooper**

Julius is at present the Chief Designer of the Pilot Radio Corporation. He is also Chairman of the Industrial Award Committee. When not busy on a project in the school workshop he likes to practice the art of hypnotism on his classmates.

Robert L. Cox

Bob is the class mathematician. He's so good that Pierce comes to him for integrals. His favorite pastime is hunting wild game in the wilds of Valley Stream. Bob is a veritable "monster" with the ladies. More power to him.

Eugene J. Crugnola

Gene calls himself a "D.P." from the Day School. He served as president of the senior class of 1949 before he resigned to attend Night School. A popular fellow, he is trying hard to remain a bachelor. If he fails, it will be because of his weakness for good cooking.

Henry A. Cubberley

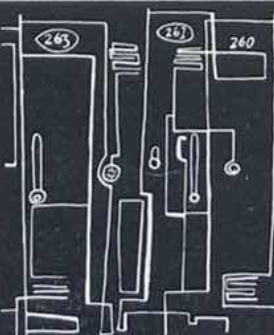
Hank does much besides studying at Cooper. He has been, successively or concurrently, Grand Master of PSO, Secretary of PTS, Co-President of the Newman Club, member of the Student Council, the ASME and ad infinitum.

Saul N. Davidson

Saul's still tired from that S.A.P. drive, but the mixture of McSorley's ale and girls from Westchester keeps him going. He's one of the three remnants of BRB. For broader training, he's even taken accounting at night at C.C.N.Y.

Joseph R. Davis

Handsome, modest and self-effacing, Joe sometimes talks about people other than himself. His spare time is occupied with his wife and preparations for an imminent heir. Male or female; he doesn't care which. Star actor in the AIChE reception.

**Daniel Dayboch**

In the good old days Dannie's only worry was his next handball game. Things are different now. He has a beautiful wife and a responsible position at Con Edison where he squeezes the last kilowatt out of John L. Lewis' hard mined soft coal.

Allan N. Denenberg

Many the time this lad has been mistaken for Lincoln. Sky high, lanky and soft-spoken, with an even temperament which disarms even the profs in an argument. Al has already made his mark in the textile field. We think he's going to be a painter too.

William H. Didul

One of the Day Art School's hard workers, Bill is the inventor of "Didul Glack" and "Didulisms." Between classes he is an accredited member of the Monte Carlo set.

John T. Diehlmann

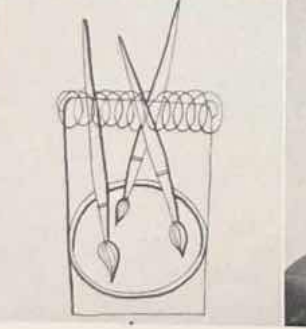
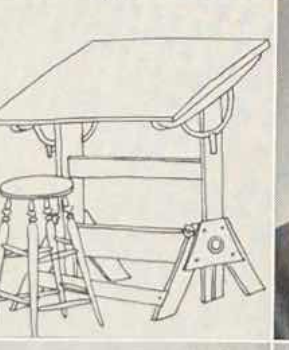
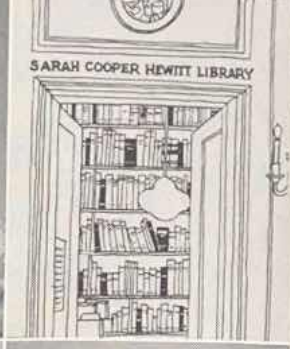
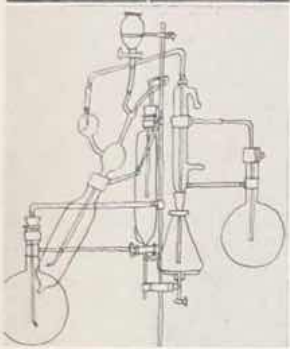
John is one of those night electrical engineers, spends all his time doing his lab reports. Since he is married and has a two-year-old son this also takes up a good deal of his time.

Eric A. Douglass

At present, he is a junior engineer for the Colgate Company. He expects to continue his studies in order to obtain an M.A. degree and an eventual doctorate. Eric is also president of the night student chapter of the A.I. Ch.E.

Herbert A. Dropkin

Herb is the only member of his class to use a "wave" analyzer to curl his hair. He also experimented upon the merger of A.C. and D.C. power, is still paying the bill. A "Schachmeister," he is president of the Chess Club.



Alan H. Dworetzky

Al and his guitar have been in the thick of many school activities. As a member of the YPA and folksong group Al never had any difficulty finding an outlet for his energy. The breaking up of Dworetzky-Dolgon Inc. will be a loss to Cooper humor.

**Anton G. Eck**

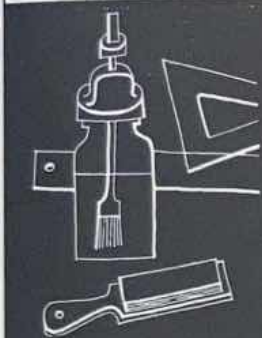
Tony is the class cynic, otherwise known as the realistic type. He is Secretary-Treasurer of the Camera Club, and admits that his prime interest in life is making money.

Walter H. Edge

"Valdemalde" is a licensed Class A radio operator. He got himself engaged operating along the Jersey shore. Walt is president of SKT fraternity and is proud to bear the title of "one of the boys."

Zeneth B. Eidel

This boy looks like the typical "Joe College." He works with amazing diligence and neatness. He is the type that instructors praise, and female freshmen call "my ideal."

**Jacqueline L. Eisenberg**

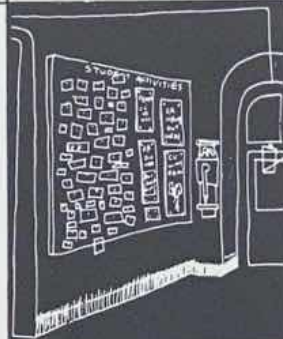
A titian-haired dynamo, Jackie has been active on the CABLE, Pioneer, the late-lamented A.P. and various dance committees. A very attractive and popular girl, Jackie's interests are painting, ballet, theatre, and music.

Joseph Engelberg

Class theoretician, Joe is famous for his chats with Einstein. He's been Pioneer Feature Editor, has won a N. Y. Machine Design prize, and heads the IZFA chapter. Known as a progressive, he's advanced to membership in TBP, PTS, and Lambda Tau.

Norman Falk

Norm is the manager of the fencing club and also the D'Artegna of Cooper Union. He comes up with many a witty "touche" to the delight of his classmates. Norm firmly believes that lab reports should be done the night before or not at all.

**Jack Feder**

One of the few Ch. E's who crashed TBP Jack still consorts with his classmates and in the true democratic spirit. He will be long remembered for a situation involving the open grating floor in the Ch. E. lab and his girl-friend.

Lorraine Feldstein

If you've noticed the expression on her face lately you'd know that something big was about to happen to little Lorraine. Here's the secret: she is going to change her name to Kapell this June. Lorraine intends to continue her studies at Ohio State together with her husband.

Howard Fener

Howard is an erstwhile member of the night electrical engineering class. Professionally, he is interested in electronic music and impulse welding of plastics. His homework is excellent too, a lovely wife and child.

Diana Ferrando

"Anything for a gag" Diana added a refreshing touch to Cooper when she first appeared on the scene and we haven't quite recovered since. She was a guiding spirit in the hectic era of the Pioneer, always a good sport, and fun to be with.

Bernard I. Fisher

After four years, Bernie's still going strong, having talked his way into LSK, ASME, the AA, PTS, TBP, and Lambda Tau, as well as the co-editorship of the PIONEER. In charge of "sound production" for his section, we expect good things from him.

Mary Flaherty

Mary is most happy when engaged in an inert sort of athletics. Her favorite saying is that "All things come to those who wait." So, she's waiting.

George Flamm

An evening architect, George has gained recognition for his revolutionary theory of night bridge building. He works hard and is liked by his contemporaries.

**Robert Foss**

A foreign exchange student from Staten Island, Bob is a stout supporter of ODP and the A.I.Ch.E. A nice, quiet inoffensive boy, he does not get into more than two barroom brawls a year. A real outdoors man, he likes to fish through a hole in the ice.

William Foster

Big Bill personifies the typical Cooper Night Man. His scholastic ability and natural gregariousness make him a well-liked and well-educated Engineer—with a successful future assured him.

Cyril Freeman

Cooper's Emcee, Cy has run activities from camp to Class Night, and probably wound the big clock. Former business manager of both CABLE and Pioneer, a member of Lambda Tau and Ex Post Facto, LSKer and low tradition upholder of ye olde BRB.

George Fried

George is the CABLE's Art Editor and when not busy with work he likes to entertain assorted admirers with magic tricks and his vast collection of jokes. The CABLE shares him with his newly arrived first boy.

Robert S. Friedman

Bob may work quietly but he has certainly accomplished a lot in his three years at Cooper. Always an active participant in extra-curricular activities, he was voted president of the Dramatics Club in his senior year.

George F. Geisenhainer

George has been commuting daily from Jersey for six years for his mechanical engineering degree. He is very active in school affairs and is the president of the night Student Council.

Carmen Gelabert

A charming, vibrant personality, Carmen is loved by all. Her paintings and dancing well display her talent and energy. We predict that Carmen will go far as an artist.

Philip Geller

Phil has the distinction of being a proud papa (see what a college education can do). He enjoys working in the peace and quiet of the library (who tapped that pencil?). His primary ambition is to get into electronic design.

**Gerald Gersten**

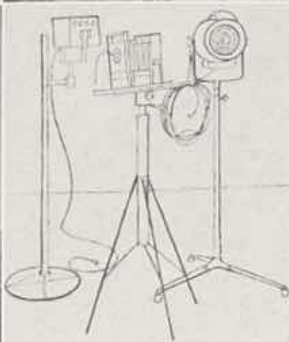
After three years at Cooper, he finally developed his painting style to the point where his girl won a prize. Not to take something like that seriously, he stood up and cheered and has been cheering ever since.

Frederick W. Gettler Jr.

Outside of work and the Night Engineering School, Fred is currently spending time fighting his waistline. A football player, he had to settle for bowling at Cooper. Fred is a happily married ME and also a member of PTS.

Sylvia Ginsberg

Sylvia always has an abundance of energy. She meets all her problems cheerfully and successfully and infects all those surrounding her with her good spirits. She is a fine Fine Artist.





Carol Glass

Carol manages to get her fingers stuck in most of the legitimate activities around Cooper. Among other things she served as Class President during her third year in the Night Art School. In the daytime she works as a rug designer.

Robert Goldstein

Bob is a two-legged gregarious beast who outside of his craftsmanlike endeavors, also plays the piano. (At least well enough to accompany the class' marching around the gym.)

Charles Gordon

This rare spirit has indelibly imprinted his character on both SKT and the Ch. E. class. Chas. was deeply involved in the writing of the Freshman Reception stunt and spent the rest of the term trying to convince the faculty that it was all in fun.

George J. Greer

George is an evening electrical engineer who seems to feel that the lab reports could be much shorter. When not photographing his wife and other beautiful subjects, he spends time contemplating circuits for automatic telephone equipment.

Edwin F. Gregg

A Cooper landmark for the past decade, no one believes he is finally leaving us. An AMS wheel, loyal to the CABLE, and one of the stalwarts of ye olde BRB. The "Cooper Crusher." Ed fears nothing and is loved by all.

George H. Grenier

George is very much interested in the field of television broadcasting. A good family man himself, he will probably wreck many another man's home in this capacity.

Ann Grifalconi

Ann never used to say much; she would just giggle and draw. As her skillful pencil became more contemporary in approach she began to talk more and to write more. Who knows where this might end?

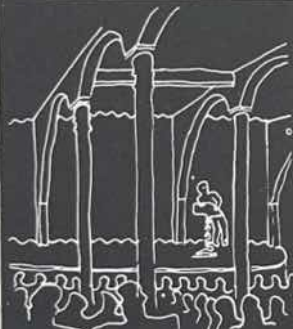


Saul Grubstein

The quiet type with hidden depths, Saul is a hard-working and very well liked evening art student. The combination of talent and application assures him a successful future.

Carl Gscheidle

To all appearances Carl is a quiet, serious student who gets out a steady stream of good work. However, among his circle of friends, it is his merry wit that keeps the party going.



David Hack

Dave's years in the Night Engineering School will be well remembered by his classmates. A leading participant in school activities, Dave served as Chairman pro-temp of the Machine Design Club.

Dimitri Hadzi

Debonair, dapper Dimitri is certainly one of the handsomest men at Cooper. A painter and sculptor, he studied at the Brooklyn Museum Art School as well as Cooper and has exhibited his works on many occasions. He is thinking of teaching after graduation.

Patricia Halloran

Program chairman of the Newman Club, Pat's favorite pastime is haunting the Humanities Reading Room. A practical girl, Pat advocates giving courses on "How to Act like an Artist" and "How to Cook"; she's sure to be a success, either as an artist or a housewife.

Irving W. Hammer

One of the few men to earn a Silver "C" in his third year Irv put the frosting on the cake by serving as editor of the CABLE this year. Despite browbeating his staff he still made plenty of friends.

Jack Hammer

Jack is an ever popular member of the Night Art School. Noted for his rare humor and immaculate dress he also works hard and has produced much fine work.



Louis O. Happel

A sizable, likeable Night Artist, Louis can stand anything but people calling him George. His interests are in photography and primitive art with the accent on art.

Jonas P. Harrison

Returning after a year's exile in the cold cruel world, the august Editor Emeritus of the CABLE retires in a burst of glory. Among his many honors he lists the captaincy of his intramural softball team and Pioneer participation.

Stanley Haug

Calm, passive, rugged as the Rock of Gibraltar, Stan the Man keeps fit by chasing between his jobs as Treasurer of YPA, writing for the Pioneer, membership in the Camera Club, and assorted sports.

Norbert Hauser

The other half of the Engelberg-Hauser team, he's a member of ASME, PTS, and is president of Tau Beta Pi. Always on his toes, ever smiling, Bert makes up the other half of the violin duet with Prof. Roemmele.

Theodore C. Hein

BMOC Ted is Business Manager of the CABLE, editor emeritus of the Cooper Survey, former Vice-President and Treasurer of Omega Delta Phi, a member of ASCE, ad infinitum. He collects streamlined model automobiles and freshman art students.

Eli J. Held

All good little art students spend their time doing homework. Eli is another one of those architects who looks forward to solving our housing problems.

Walter Herlitschek

Walt is a serious student of fine arts who spends most of his time as a devotee of paintings, music, and the theatre. Although a quiet boy, he is an excellent teller of jokes.

Raymond J. Hermida

A night engineer and member of P.S.O., Ray spends his spare time playing with his children and struggling with his homework. For these privileges he thanks his loving wife and the E.E. Department, respectively.

Trudy Hilsenrad

With a ready smile and an eager voice, curvaceous Trudy had a wonderful time during her four years at Cooper. Holding a good job with an advertising agency, she also found time to make good friends among her classmates.

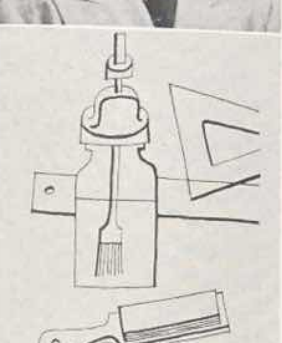
Max J. Hoberman

Max commutes from Jersey. To fellow sufferers no more need be said. The serious type, he is an engineer who actually checks his calculations.



Peter L. Hofmann

For a guy who's always "confused," Peter seems to be doing all right with an almost "A" average, his TBP key and the unofficial title of "An Engineer's Engineer". Pete also served as captain of Cooper's fencing team.



Wolfgang S. Homburger

A member of Chi Epsilon and Tau Beta Pi, he keeps fit by lugging around a load of honor keys. Between bouts of worrying about "that last exam"—he only got 96!—he finds time to be editor-in-chief of the fabulous Cooper Survey.

Raymond H. Horky

Smiling Raymond spends most of his time at ODP playing bridge. When attendance is called he answers either pass or double. A member of the A. A. Governing Board, and ASME, he's a great propaganda artist for his Alma Mater. He drinks ale, too.

Walter M. Hreczuch

Walt's dry humor and wry smile were always his trademark but are becoming more pronounced as the day of graduation approaches. He is probably looking forward to playing some golf . . . or is it some previously unknown, secret heartthrob.

**Aileen Hunt**

"Well Swell!" That's Aileen's comment on life—and we can heartily say the same thing about Aileen. Pleasant and companionable, we're sure she'll make some lucky fellow a fine wife.

John C. Jaeger

John developed into a tolerable artist right before the eyes of Cooper. This was done by the dint of hard work. He doesn't speak much but when he does it is fast and furious as his play among the Monte Carlo Set.

**Abraham H. Jetter**

Abe is an electrical engineer going through life with wife and classmate Evelyn Speter. He had the rare privilege of interviewing his wife for Tau Beta Pi honors. Abe was on the spot but Evelyn was deserving.

Robert P. Kalin

Active in most intramural sports, he was also a four year varsity member of the rifle team. Answering to the name of Long John, he would most often be found away from school and at the rifle team's log cabin.

Art Kane

Art is a boy wonder who hot-foots it around town to bongo rhythm and does great art for questionable publications. He can be heard within a radius of one mile and has Mexico on the brain. Loved by all, naturally.

Robert J. Kanzler

Bob maintains that he's saving his money for a rainy day (so that's what caused the North Jersey drought). A very neat and meticulous worker, he makes wonderful lab data sheets, but often had trouble filling them out correctly.

Arthur Y. Kaplan

"Mumbles" Kappie is a great sleep talker, but he has achieved fame at Cooper on our basketball courts. Plumb-bob man for his CE lab squad, he claims to have vernier eyesight. He hopes to earn his keep as a Mechanical Engineer.

Bernard Kaplan

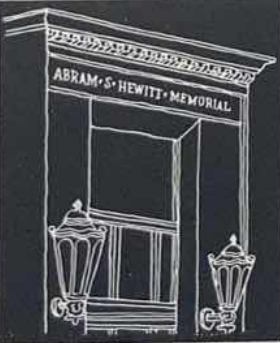
Although a professional engineer and ASME member before graduation, he still can't bring his humor above the lowest form—the corny pun. Liked by all in spite of this, he devotes his free hours to his family.

Maxim Karafian

Max is a popular fellow among his classmates. Besides his scholastic activities he is a participating member of the AICHE and of Omega Delta Phi fraternity.

**Josephine Katz**

Jo is known locally as the nightingale of 4NFA or as "nature girl". Her Bronx apartment is usually open to a diversified assortment of friends. She spends her spare time hiking, folk-singing and bicycling, sometimes simultaneously.

**Julius Katz**

Julius is a key member of that small, well-knit group which forms the Night Civil Engineering Class. On the lighter side of the curriculum he enjoys ribbing Professor Mirgain and is especially fond of the 10:00 P.M. session.

Paul Katzauer

Paul has been working in the laboratory of the Industrial Finishes Company while completing his chemical engineering course at Cooper. He readily admits that he's been happily married for three years.

Richard J. Keates

A beautiful blond from Port Washington, Dick daily risks his life on the LIRR to make basketball practice. The team won a few games this year despite his presence on the court. Richard is a member of ODP and is kind to his mother.

Leonard I. Kent

He is an erstwhile member of the Senior Prom Committee (the only one who owns a tuxedo). Len is an industrious worker. His main interest, aside from being engaged, is in the field of electronic research and development.

Leticia J. Kent

She studies architecture evenings and is sorry to see her years at Cooper come to an end. When not busy at her drawing board she likes to putter in her garden.

Max Kerman

As president of the Student Council and Chairman of the Activities Plan Max demonstrated his interests in student government and his executive ability. Otherwise, when not tinkering with someone's radio, he can be seen catching a fast train for Washington, D.C.

Paul Kernan

Paul is part of the triumvirate of Hoffman to Geller to Kernan. He is a real hustler who gets his lab reports done a day before the experiment. Paul is president of the student branch of the ATEE.

C. Jack Keyser

Jack is known around P.S.O. as a chap who wields a mean ping-pong paddle. An all round good fellow, he is also popular for the quality of his machines lab reports.

Alvin J. Kietz

Al's classmates will always remember his smiling face and bow tie. He has made many friends at Cooper and is sure to do the same elsewhere in the future.

Gerhart F. King

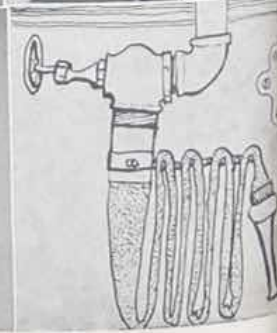
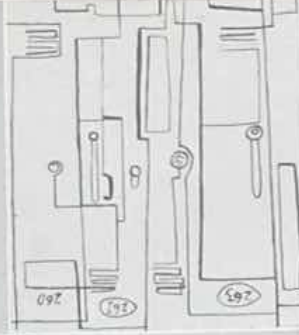
The last seven years have seen Gerry in Ch.E. and C.E. labs, Camp Blanding and Berlin. Literary Ed. of the CABLE, Chairman of the Elections Committee, on the Pioneer and the Fencing Team.

Donald A. Kirchhofer

Voted the man least likely to get ulcers or a case of nervous prostration, he does not typify the Cooper Student. Always smiling and happy-go-lucky, Don has played in almost every intramural sports tournament since his arrival at Cooper.

**Alexander Kirschner**

Alex is noted for his friendly manner and the conservative cut of his clothes. A hard-working Night Engineer, he deplores his lack of time for snapping pictures and listening to classical music.



Renee H. Kirshner

You name the organization, Renee's working for it. She's a girl who changed her name to Mrs. during her senior year at Cooper. Her popularity won her the office of Class Vice-President.

Albert M. Klein

Tall, handsome Al has that "savoir faire" manner which has endeared him to all. He managed to reach the academic heights without any great effort. An active member of the CABLE and "Pioneer" staffs, Al still found time to "star" in intramural sports.

Helmuth Knapp

Helmuth is a past member of ye olde Pioneer and presently Graduate Editor of the CABLE. However, he will probably be best remembered for the gag sessions at Camp Green and his introduction of medieval European card games for which he is his own Hoyle.

**Alexander Koff**

Alex, an evening art student, is graphic about his work in more ways than one. Alex works hard, does much, and keeps it up—definitely the pattern for success.

Barbara Kopelson

Barbara settled down in her third year after allowing her sense of humor to carry her away on several previous occasions. Some lucky guy has a pleasant home life in store for him.

Louis Korosy

Louis, a night Chemical Engineer, is always working with or making retorts. Is well liked by all, and will go far in his chosen field. Louis is our idea of what an engineer should be like.

Frank J. Kovacich

Frank is the class philosopher and expert on semantics. He is always ready to discuss any subject, except engineering, provided he can disagree with somebody. Frank served as President of his Sophomore Class and Co-President of his Junior Class.

Arthur Kramberg

Cooper was a lot of fun for Artie and for the people who knew him. At Cooper he appreciated girls and McSorley's free lunch; his classmates appreciated Artie's wit and likable personality.

Deborah Kraushaar

This explosive bit of T. N. T. was never known to sit still in class. Always packed with energy and ready for battle, Deb joined C. U. as a second year student, having spent a year at Alfred University. Success is awaiting her in the textile field.

Stanley G. Krumbholz

This fair-haired lad of the ME class is a member of ODP. An up-and-coming genius, he also shines in intramurals, with bowling taking most of his time. We'll look for big things from this slide rule demon.

**Stanley Kugler**

Blue-eyed and a platinum blond, Stan managed through sheer talent to become Editor-in-Chief of the Pioneer. Among his notable accomplishments, he has always kept the Forum Series well lit, is a member of ASME and fun planner for Lambda Tau.

Norman Kunst

Norman, a hard working night artist, did not find school work exactly tough but he certainly will be glad when June rolls around. Norman is a popular fellow and a true patron of the arts (as his name implies).

Lois A. Landwehr

A quiet voice and a Mona Lisa smile, Lois is a charming person to know. Completely at ease with people, she seems perfectly adapted for the fields of advertising or public relations, either of which she plans to enter.

Edward A. Lassen

Through the years, Ed has been continually griping about the lack of time here in Cooper. He confesses, though, that he occasionally has time to say hello to his wife and two children. Ed is also an associate member of the A. I. E. E.

Robert G. Lenz

R. G. spends his spare time teaching his fiancée Mech. of Mat. and Photogrammetry. Active in the ASCE, Newman Club, and intra-mural sports. His special interest is Reinforced Pickle Design, using spaghetti reinforcement.

**Abraham Levine**

"Honest Abe", one of our hard working and all around fellows, has endeared himself to the night Civil Engineers for his great wit and humor. A real hard working fellow who is sure to get ahead in his chosen profession.

Bernard Lichtenstein

A part-time soldier in the Reserve, Bernie exemplifies the hard-working ME, with a slide rule in one hand and log tables in the other. In his spare time he monkeys with cameras and electronics. We still say he should have been an artist.

**Theodore Life**

Ted, a reserved and well liked night commercial artist, has won the admiration of his entire class and is expected to do great things. Fed is a serious fellow with an eye on the future.

William A. Lindenfesler

Bill is a popular night engineer, and stalwart member of PSO. During his years at Cooper he has become thoroughly familiar with the workings of the E. E. department and the far reaches of the New York subway system.

Murray Lopatin

The only ME to win fame through his intellectual bouts with Professor Buckingham (he still thinks that Kant's influence on Plato was negligible), Murray is quiet, hardworking and very shrewd.

Harold J. Loveman

Loveman is an eager EE who, it is rumored, works out the machines problems completely. This diminutive bundle of mental energy lacks only one more thing to complete the task of following in his brother's footsteps—avoidupois.

Robert A. Lubinski

Cheerful, and always available with the correct answer, Bob has become one of the best liked men in his class. Notwithstanding his high scholastic average and being a night-schooler, he was active in PSO, PTS and co-chairman of the ASME.

Raya Magasiner

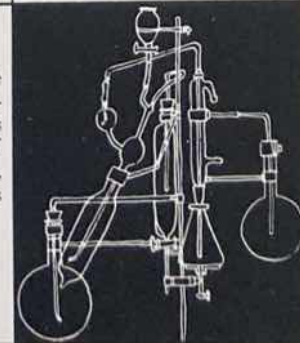
Petite and charming, Raya has talent, too. She won us with her dance at Class Night two years ago. An outdoor girl, she loves tennis, bicycling, and hiking. We're grateful to Raya for all the good copy she has handed in to the CABLE.

Jack H. Malek

Jack, with his "commitments in June," is business-like and well groomed, liked by both instructors and students. His shop produced enough Rube Goldbergs to keep us in stitches for years. A member of ASME and PTS.

Donald Mallow

Besides submitting those charming architectural solutions, Donald contributes to the general morale of the class; in other words, he asks swell questions that are really helpful.





Melville Mandel

A fine arts student, Mel's time is divided between his job and his true love, painting. Noted for his wry sense of humor, he keeps up the class morale when things get tough.

Belle Marder

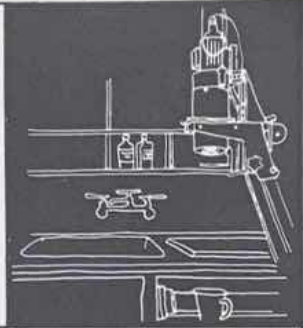
This sweet fine arts student brought the Engineering and Art School together when she married Myron Manes, a former Cooper chemical engineer. Belle has been active, writing for the CABLE, since her entrance into Cooper.

Harold C. Margolis

Harry divides his time between the Pioneer Office and the Art School. He exhibited his executive capacity as Business Manager of the Pioneer, President of the Camera Club, and member of the Director's Student Advisory Committee.

Augusto V. Marianiello

Augusto is presently employed by the U.S. Industrial Chemical Company. His ambition is to get into engineering work as soon as he graduates. Flying and golf occupy most of his spare time.

**William R. Marsella**

Bill is an architect who likes to build as well as design as his hobbies of carpentry and boating indicate. At present he is interested in the design of retail stores. While at Cooper Bill won the Third Year Alumni Book Award for Industrial Design.

**Ernst M. Massey**

Ernst's hobby is being married to a Cooper Union art student. Blanche, you call this a hobby? After graduation, he intends touring Europe with his wife and studying theoretical physics in France.

Thomas J. Matcovich

"Speak softly and carry a big cumulative" is Tom's byword. He easily managed to retain his scholarship and Tau Beta Pi key while serving as secretary and president of the A. A. He also posted some high scores for the Varsity Bowling team.

Robert E. Maxwell

Tall and quiet, Bob has always taken an interest in his studies. He is a firm believer in research and the power of thorough investigation. He has gained the respect and admiration of his classmates.

Henry J. Mayer

Henry is an art student with an appreciation for the finer things in life; namely, money. He is such a good artist that we hear he paints his own quite realistically. Henry has a brilliant future in this line if the government doesn't get wise.

Norman Mazin

Norman is famous among his classmates for painting satirical socially significant paintings and making similar remarks. A fellow who is heavy on talent but nevertheless easy to get along with, as witness his many friends at Cooper.

Philip McIntosh

The "Apple" of teacher's eye, Philip is the conservatively dressed member of his class who has gained a reputation for subtle wit and humor. An architectural student, he is going to build all kinds of things.

Arthur V. McKenna

After serving three years in the Chemical Warfare Division, Art is proudly completing his course in chemical engineering in the regulation time of six years. After graduation, he intends to go to Indonesia in the employ of an oil company.

Jack T. Meienberg

Sailing skipper of the ME's, Jack is often on long voyages to slumberland. His pet peeve is profs who ask questions during these sojourns. His typical answer on awakening is "Speak louder, I can't hear you!" followed by the right answer.

Theodore A. Merkin

The literary inclined Ted is a staff member of the CABLE, the Pioneer, and the fabulous Cooper Survey. He expresses his contempt for the "brown-baggers" by bringing his lunch in a white bag.

Joseph A. Messina

This dark philosopher has haunted these sacred halls for three years. His readiness for deep discussion on any obscure item has confounded many a lesser scholar. At the end of his second year Joe married a Cooperite from the Night school.

**William Michael**

Chairman of YPA, Business Manager of the Annual Dance Committee, Feature Editor of the Pioneer and member of a host of organizations, Billy really spreads his talents around. He also plays the hottest piano this side of Third Avenue.

Casimiro J. Michelini

Known as "Princess Mike" to his brothers in ODP for his performance in a skit he wants to forget, Mitch is really the big-strong-man type, stoutly defending his "summer road work." He'll spring the best of jokes when you're not watching.

John P. Monteferrante

"Little John," immaculate, from his shampooed head down to the bend of his key chain, on which he so often trips, loves engineering, but sent his brother to the art school. He spends his spare time drawing shmoos and telling John Moore jokes.

John T. Moore

"Long John" is never separated from his pal, Monty, who makes up the other half of the Mutt and Jeff team. High on the scholastic ladder, he refused the honor of Pi Tau Sigma, content in his quiet way to climb even higher on his own.

Leonard Mordfin

Len spends his spare time going to Cooper, but his first love is the sports world. Dodger expert and intramural stalwart, he finds time to plan the ASME's field trips, too. Ever-smiling, he's accepted his future in engineering, however.

Al Morreale

Al spends his time on Arts and Crafts when in school and on photography when he is not traveling around the country. He's the eager beaver type trying to find a means of doing away with sleep.

Jack Munt

Jack is a member of the IRE and claims to have done homework while baby sitting. (He has the marks to prove it.) Munt, who led his squad through years of precarious experiments in the EE laboratories, spent a wonderful time in India during the war.

**William Murphy**

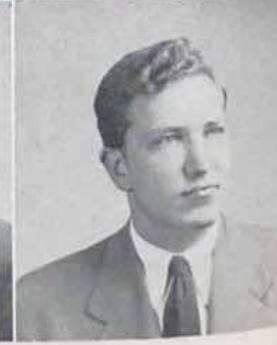
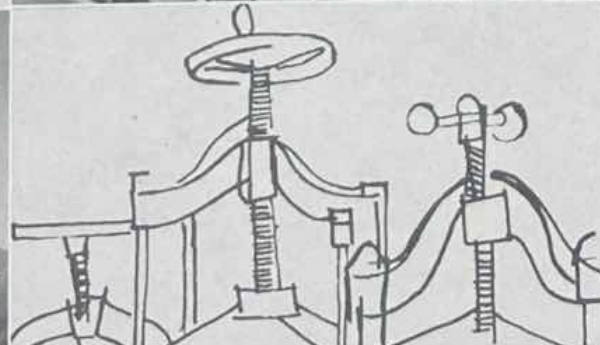
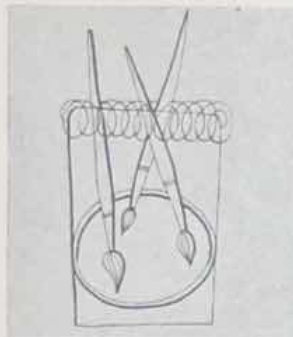
Cheerful William has been working (graphically) for many years. His ability to settle down to work and his inherent good nature will insure success in all things to come.

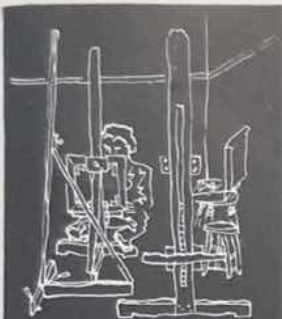
Matthew M. Nardella

Who said there ain't no civil engineers? This fellow is. His pet gripe is humanities for engineers. Matt's field of interest is highway engineering. His classmates and the CE department will both miss him after graduation.

John E. Nolan

President of ODP and past president of the Student Council, John is a member of the EE's "Big Four" international set. Though Vice President of the AIEE and a TBP man, he will probably be remembered for his sterling portrayal of a falling curtain.





Jack Nugent

Stoic of the ME's, and an AMS stalwart, Jack's getting married soon. He was a Fuller brush salesman at one time. The poor girl must have gotten confused about exactly what he was selling. Jack's getting his wish — graduating with Ed Gregg.

Ernest Nussbaum

A foilsman on Cooper's Fencing Team, news editor of the Cooper Survey and president of the Camera Club, Ernie has thus far centered his life about legs. Transits, cameras, telescopes, girls, all have them, you know.

Annamay Olsen

A pretty "outdoor blonde," Annamay feels at home in front of an easel or the Camp Green fireplace. Besides cultivating a host of friends and admirers at Cooper, she served as a member of the Student Council and the Green Camp Committee.

Charles A. Orchier

Alex is another of the outstanding members of the senior Night Civil Engineering class. Immaculate, witty, and always ready with the lab calculations, he was ever popular with all who knew him.

Ralph J. Pacifico

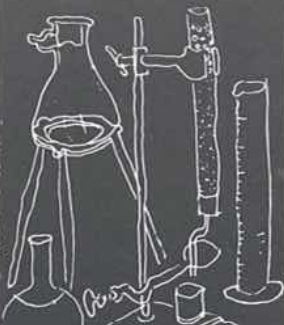
Ralph is one of those suave artists who bends his efforts to solving the difficulties of the house beautiful. This, of course, when he is not photographing beautiful women. Luckily, Ralph has an understanding as well as charming wife.

Joseph A. Paduana

Uncle Joe is the sharpest dresser in the class, as befits the President of the ASCE and a member of Tau Beta Pi. Manages to do all his homework promptly and have all the answers when someone calls up with "Hello, Joe! Got a problem!"

Paul A. Parisi

Paul is a member of ASCE, ASTM, the Cooper Survey, and also vice president of Omega Delta Phi. He believes in a four day work week. After graduation, he plans to become a son of the open road, i.e. designing highways, not just walking them.



John Andrew Parmerton

Scholar, designer, author, and president of the Industrial Designers' Council and Research Survey Group, this young man has a vibrant personality that gives a feeling of sincere friendship. We predict a brilliant future for him.

Daniel Pattarini

Dan is a Long Island lad who spent his nights studying a bit of Mechanical Engineering here at the hallowed halls of Cooper. A serious student, he should find no obstacles that can't be easily overcome on the road to success.



Shelby Penberg

We'll all remember Shelby for her quick smile and ready wit. Always eager to please and capable.

George A. Polyn

The star athlete of the CE's, George spends most of his time trying to find "one more man" to field an intra-mural team, and was the organizer of the Bowling Team. He is a complete believer in the idea of economizing on labor. His labor, of course.

John J. Priest

John is another in that famous skyline quartet of the EE class. "Smilin" Jack's activeness in the AIEE, the Newman Club, and ODP is only surpassed by his gallant attempts to play volleyball.

Elizabeth Reiman

Liz is definitely the most glamorous Ch. E. to graduate from Cooper in recent years. Not satisfied with good looks and brains, she has also worked for the CABLE and Pioneer and was honored by Tau Beta Pi, Ex Post Facto, and the Schweinburg Fund.

Don Reiser

Hot shot Reiser is vice president of the senior class and captain of the rifle team. He usually brings his rifle to school from Far Rockaway either when he's got an exam or an AIEE meeting.

Eli Reshotko

The youngest in the graduating class, Eli is top man scholastically among the ME's. Well liked by all and cooperative, Eli is President of Pi Tau Sigma, made TBP, joined ASME, and works part time. He finds time to sleep on Sundays, lucky guy.

George R. Richardson

A true bachelor, he shares his apartment with "Don" and hopes to be an advertising artist. "Richardson," who is never called "George," hails from Springfield, Mass. It's a good thing he doesn't have to commute from his home town.

Frederick G. Richter

Member of IRE, Fred's unreadable handwriting has enabled him to pass all lab courses successfully. Richter was found to be loyal to the EE section in the bowling intramurals.

John G. Richter

John's favorite grine is against instructors who believe that engineering students should be able to grind out their lab reports in six hours. He plans to enter medical school after Cooper.



Kurt M. Richter

Mental banker of odd bits of design information, Kurt is the old man of the ME class, the first to get married. A blessed event is scheduled for some time after graduation, saving Kurt approximately twenty-nine cigars.

Charles H. Rivkin

Charlie, a gregarious Architect with a subtle sense of humor, has just the right combination of ingenuity and capacity for hard work to assure him of success.

Albert Roberts

Class President of the sixth year night engr. students and treasurer of the Night Student Council, Al is interested in skiing, music, women (who isn't?), sports, and the drama. With this range of cultural interests, he is certain of success in his chosen field.

Morton Rollnik

Tall and skinny, he closely resembles a daddy-long-legs. His puns drive the class to tearing their hair. He is an ardent "Suspense" listener. While sitting by the radio, he does his advertising art homework.

Albert A. Romagnoli

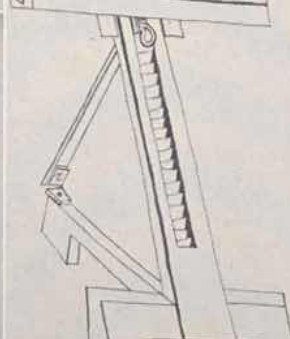
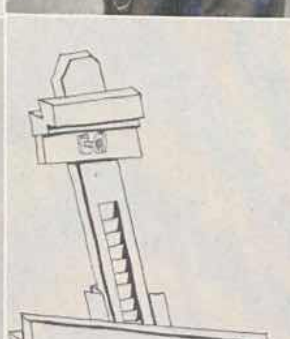
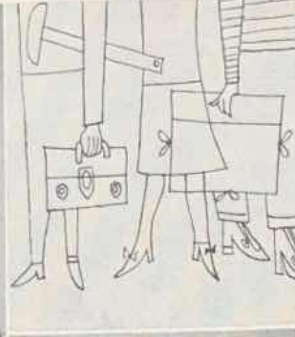
Al is a member of both ODP and the EE class' "Big Four," and his friendly, quiet manner goes unnoticed — until he finds a mistake in some poor unfortunate text; but when the Romagnoli Crusade is over he reverts to his old lovable self.

Richard Rosenblum

Sings disharmonious cacophonies better than anyone at Cooper. His art work is in a humorous vein, and he delights in showing everyone pictures of his little sister. He is immensely fond of teasing Mr. Breitenbach.

Irwin Rosenhouse

Rosey is a boy dynamo with a casual air. He's been Class president, Student Council Secretary, YPA executive, on the Pioneer Art column, and gosh you name it, he's on it. His guitar is an indispensable part of his person.

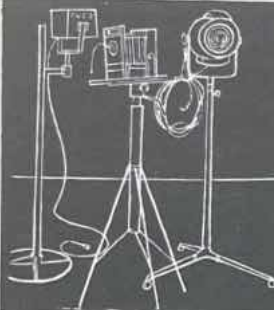


Seymour H. Roth

When Sy starts twisting his crew cut hair into curls you can tell he's working on a tough EE problem. Besides the fact that he has been able to solve some of the electronics problems by himself, his only other attribute is that he provides his favorite teacher with dates.

Eli Rubinstein

Industrious is the word for this ME. If you need anything, call Rube—he's got a friend. The only guy who actually does homework in the library, you can actually see him thinking. A contact man if there ever was one.

**Eugene Runes**

A social animal, Gene officiates over a Senior League in far-off Queens. He is a devotee of square dancing and his heart yearns for Denver, the Mecca of Swing Your Lady. He was a member of the now moribund Jazz Club and the A. I. Ch. E.

Jerome D. Sable

Jerry made himself famous as a freshman when he restated Joule's law by the now world acclaimed Sable theorem; "Boiling water is pretty hot." Smilin' Jerry believes that as an Electronics major he ought to have more time to listen to the radio.

**Annette P. Sacks**

Annette is a pretty, lively girl who also has serious social interests. Her boundless energy has been devoted to the Y. P. A. She spent her senior year at Cooper as Mrs. Kaufman.

Jean P. Safrin

Jeannie with the light brown hair and the sparkling personality is the Carmen of the graduating class. A friendly outdoor girl with a love for horses, she's also made her mark as a fine sensitive painter.

James W. Sarfaty

Architecture being his main pursuit he spends all his time fishing. What better way to get ahead in this world? If you want a building designed just come to Jimmy. Of course, we never go so far as to say what he fishes for.

Phyllis P. Sasonkin

It's a pleasure to hear Phyllis speak. Her fresh logic has been applied to her painting and evolves itself into healthy solid works of art. She will be missed by many friends. Phyllis plans to integrate teaching with her new career of marriage.

Marvin Schaffer

A Ch. E. in the old tradition, Marv neglects his wife and his homework for bridge. He was one of the Cooper stalwarts in the Intercollegiate Bridge Tournament this year and has also been active in intramural baseball, handball, chess, and the AICChE.

Jules P. Scherer

Jules is majoring in architecture and expects to enter that field upon graduation. This interest extends to his own home as evidenced by its modern interior decoration. Above all, Jules is the proud papa of two sons.

Samuel M. Schlanger

Sam's the ME marine expert (j. g.)—if it was on a Liberty, he knows it. His major extra-curricular activity is calling his wife and drinking coffee after class. Scholastically, we take him for granted, being one of those in Pi Tau Sigma.

Joyce T. Schlesinger

A sweet sensitive girl, Joyce has started many of the fashions that Cooper girls have taken on. She has a promising career ahead of her in the textile field. We all wish her lots of luck.

Charles Schneider

Charlie is reputedly the only student to be a self made man as an undergraduate. While his exact wealth is unknown there is no doubt that it will be some time till he can live on a junior EE's salary, that is, unless he plays bridge on the side.

Joseph F. Schulz

Joe is known as a hardworker. The reticent type. Loves to tinker with antique automobiles in what spare time is available to a Night Chemical Engineering student.

Frederick R. Schumm

Fred's professional interest is that of a flavor chemist. This ties in neatly with the soft spot he has in his stomach for sauerbraten and kartoffel kloese. His favorite pastimes are woodworking and model building.

**Joan A. Schurer**

Joan, lovely art student, is a true patron of the arts and has a sincere interest in people which causes her to be liked by all she meets. She works hard and is the pride and joy of her class.

Bernice Schwartz

Beautiful Bernice has added color and charm to her surroundings at Cooper Union. All who know her feel that she will be a success in her chosen field.

Arnold R. Selby

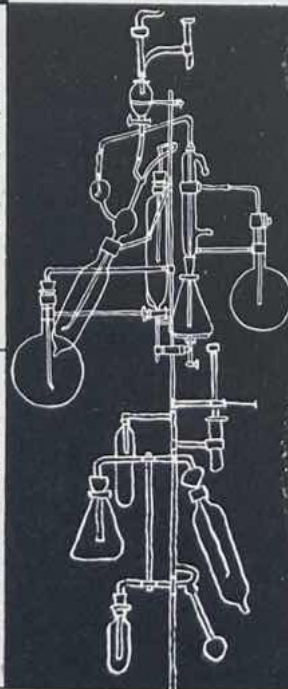
Arnie modestly admits that he is the most prominent card player in Cooper's history. During the Christmas blizzard of 1947, he married an artist from Hunter College (been snowed under ever since). He is a hotshot E. E. who enjoys finding trouble in his friends' radio sets.

Albert N. Semmelroth

Al is one of the most active of the Evening School graduates. A member of the Student Council, Phi Sigma Omega, the Ski Club, and Co-Chairman of the ASME. Besides this he also found time to play intramural basketball and volleyball.

William E. Setzler

Bill is a member of the student chapter of the A. I. Ch. E. He is also a member of Phi Sigma Omega fraternity. While attending Cooper, he has been working as a development engineer for Argus Chemical Labs.

**Joan R. Shapiro**

Behind that surprised look flapped a brain that cried out to be let loose to fill paper with beautiful colors and crow quill lines.

Vera Shapiro

Vera sees the world through pink and chartrreuse colored glasses. With her powerful brush strokes she has created many stimulating paintings one of which won first prize in the Emily Lowe Art contest. We expect a lot from this girl.

Al J. Sherman

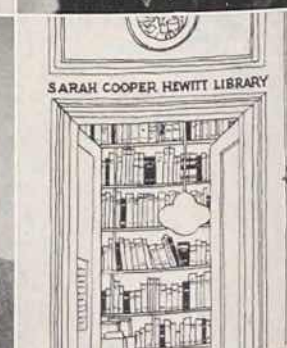
Al is our spirit of communication who looks too healthy to be painting. Laughing boy tends to organize, keeps 'em busy, and shoots roll after roll of overexposed film.

Harvey Sherman

Meticulous and methodical, writing down every thought, Harvey has become famous for his copious lab and design reports which weigh almost as much as he does. He has been Treasurer of ASCE, Vice-President of the Junior Class, and is now Vice-President of Chi Epsilon.

George F. H. Silberman

G. F. H. S. taught the machines class how to wind armatures, too bad he didn't get paid for the effort. Has a tendency toward slumber in beautiful company. He is the recording secretary of LSK, and a member of the CABLE and Pioneer staffs.



Lorraine Silbiger

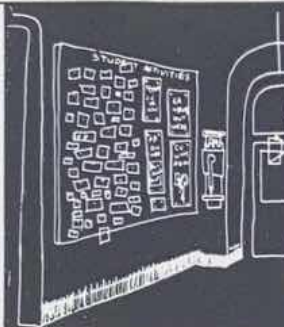
Is interested in painting and Gerry Gersten. The former won her second prize in the Emily Lowe award and the latter won her. The combination should make a good team.

Seymour Sirotta

Behind the enigmatic Mona Lisa smile is a mind that is asleep, waking only to create a work that will leave his class in envy until his next work. Quiet and studious, Seymour is expected to make his mark.

Morton Slutsky

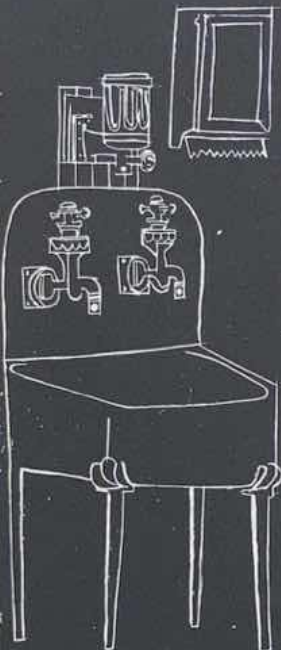
Mort is another key member of the night Civil Engineering class. Although perpetually occupied with work, studies, and commuting from Mt. Vernon, he has nevertheless managed to make many friends among his classmates.

**Yvonne L. Smith**

Strikingly attractive, Yvonne prefers gentlemen who prefer blondes. Her fiancé fits into this category. This Long Island lass enjoys figure skating (she has the figure for it), photography and collecting opera records.

Richard Sobel

Dick lists pinochle, women, softball and bicycling among his many hobbies. He would like to come to school in sloppy joe attire but feels that would be letting his public down. He is president of the A.I.Ch.E. and a big shot on the Rifle Club.

**Alberta Sordini**

Rather witty, bright, and a talented designer, Alberta has been engaged for the past two years. Her personality is full of charm and warmth, and she's always in the best of spirits. Her fiancé's a lucky guy.

Honey B. Soroko

Extra-curricula activities were made for "Honey B." From '44 through '47 she was the guiding light of half a dozen school activities. Honey took a three year leave in her senior year. She is mother of a son, Dane, named after Cooper's Day, Art, Night, Engineering Schools.

Robert Spann

Bob is a big man in the EE class—one of a group of four who are members of the ODP delegation. Spann is a member of the AIEE, and true to his profession can be characterized by the attributes of an electric clock—good looking, efficient, and noiseless.

Evelyn Speter

Evelyn is an electrical engineer with a bent toward Atomic Physics. She deserves a vote of praise for adding her charm and intellect to the engineering classes. She is going through life with husband and classmate Abe Jetter.

Harry Spett

Harry's a rough, slough hombre who has always enjoyed playing bridge with a handicap; namely, "Finessable Acker." He is also the founder and first chairman of the Cooper Union IRE and a member of Tau Beta Pi.

James Spool

Dynamic Jimmy is the EE class' RR magnate, a member of Lambda Tau and a past make-up editor of the Pioneer but 'Sez-Spool,' "I still haven't been able to make up with my girl." James' shyness is only exceeded by the volubility of his speech.

Leo Stamler

Good natured Leo is the radio bug of the Night Electrical Engineering Class. In his spare time he likes to sit down at his transmitter and work those far away places. In line with his interests, he is an active member of the IRE.

Jordan B. Steckel

Jordy's refreshing, imaginative nature is applied to his paintings with some very wonderful results. No matter what the medium, art, music (his drums), his associations with people, Jordy is right there bringing life to whatever he touches.

Elizabeth K. Steinbeck

Sweet Liz is liked by all who know her. Still water runs deep describes her, for her quietness conceals many hidden qualities.

Melvin Stern

Mel is often Stern in his admonition of teachers' loose mathematical analyses and has been known to "stop the show" with his much too profound questions. He divides his talents between the presidency of the Math Society and the secretaryship of TBP.

Gloria O. Surmach

Carving a place in our hearts, Gloria will always be remembered as a sweet quiet girl who did fine wood sculpture and wonderful lettering.

Wilbur M. Sweny

Bill is the typical American Male of his age. Though he has worked hard for many years he still has his future ahead of him. If he hastens, who knows what bounds he may transcend?

Sol Tenenbaum

Ask him a question and his answer is always "detonation." He is convinced that everything can be explained by that phenomenon. Busy these days planning his wedding. His bachelor brothers in LSK will miss Sol.

Helen B. Tomczuk

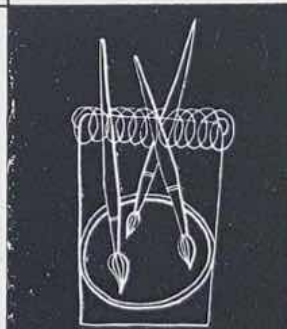
Helen is a normal, rational, intelligent girl (pretty too). Her one eccentricity is the eating of raw carrots. Besides people who are fun to be with, her interest is advertising production and typography.

Blanche Trachtman

Blanche is a hopeful optimist who skis without snow and travels in the hope that Buttercup won't die. She plans a nomadic life starting in Europe with her husband, a Cooper Union engineer.

Harrison O. Travis, Jr.

A good student and one who is well versed in the practical side of engineering, Harry has the kind of personality that made him well liked by all. His main interests center about his family and his home.

**Anthony P. Trujillo**

Grand Potentate of L.S.K., handsome, suave and debonair, Tony leaves a string of broken hearts behind him as he strolls through the halls of Cooper. He spends large amounts of time in the restfully quiet Bronx. Her name is Ann.

**Ken K. Tsutsumi**

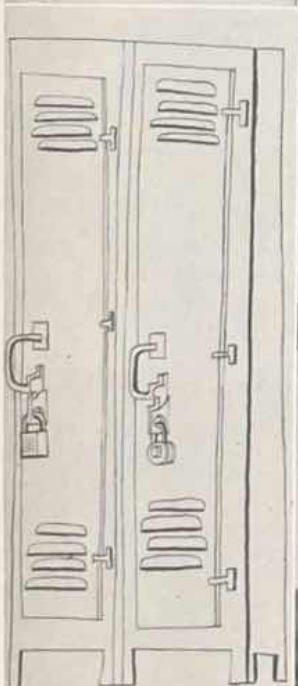
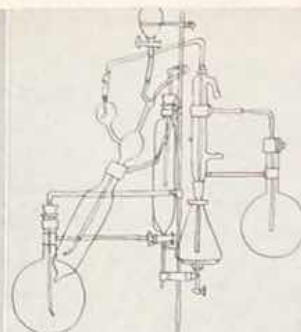
A well liked and respected artist, Ken has been working hard making friends, and influencing people here at Cooper. His precise hand and light touch assure him a place in the field of graphic arts.

Stephen A. Tuba

Like all engineers he spends all of his leisure time in the pleasurable pursuit of — homework. He even finds time once in a while to develop a picture or two. Watch for the Tuba Construction Company.

Marvin Turken

This intrepid youth unabashedly states that City College girls are more attractive than Cooper Engineering females. So far, his health remains good. When not hating women he engages in intramural baseball and handball.



Betsy F. Tyree

Betsy is a real "Village" artist. She looks attractive in dungarees and spends at least part of her time trying to liberate people from conservative clothing. An excellent painter, she also likes to play piano for her friends.

Leon Vaselopoulos

Leon has attained his long ambition . . . he is graduating from the Night Art school. Graduation finds him filled with gratitude to Peter Cooper and also a desire to catch up on lost sleep.

Josef John Verwayen

Big Joe, an ex Dutch seaman has been working as an engineer for years. He is a member of the ASME and vice-president of Pi Tau Sigma. John's real loves are his wife, her cooking and McSorley's brew.

**Henry H. Von Spreckelsen**

Hank came to Cooper a clean cut American youth. Today, after years of chasing after art students, he has come to appreciate that there are certain subtle but basic differences between male and female. He also is active in the ASCE, ODP, and the Fencing Team.

Fred W. Von Zabern, Jr.

Women and Cooper have conspired to reduce Fritz' sleeping hours from a restful sixteen hours to only eight per night. Not wasting his four years, he can play bridge and shoot pool with the best at ODP. He's saving his energies for after graduation.

Eugene L. Wachspress

Affectionately known as the class mathematician, Gene is heading for graduate school to chase down a detail for Prof. Roemmele in a certain heat transfer problem. Where he learned to call square dances, we'll never know.

Clifford A. Walcutt

Cliff is energetic . . . a good student and likable fellow who won't surprise anyone when he succeeds in his chosen field of architecture. His spare time is devoted to his charming wife and son.

George J. Walling

An outstanding member of that small group of geniuses who compose the evening Industrial Design Group, George has the ability to make utilitarian objects pleasing to the eye. His other interests are photography, golf and boating.

Nina L. Waters

Nina is a girl with natural artistic ability and hails from the Bronx. One of the more truly aesthetic students, she is a true patron of the arts with a sincere interest in people.

Nancy D. Warfield

Nancy is best known for her tireless work with the Dramatic Club. Her appearance in Class Night marked her rise to thespian heights. Classmates will never forget the girl in the billowing blue jeans with the white gloves rush in to painting class.

Frederick L. Warner

The "great profile," Fred is easily the best-dressed man and serves as fashion consultant for his colleagues. The "Brain" is also president of the ASME and a hard-working member of TBP and Pi Tau Sigma. He's headed straight for success.

Willard L. Warshofsky

When not too busy representing Henry Luce, Bill could be found working for the Pioneer (as Sports Editor), Lambda Tau and LSK. The life of the annual Freshmen teas he is sorry that the EE Dep't didn't allow "more" time for extra-curricular activities.

George J. Weber

George is currently employed by the Texas Company in the refining engineering division. He is the proud father of a beautiful 2½ year old daughter, Eileen.

James W. Weidenman

Jim is another stalwart member of the Night Electrical Engineering Class. His favorite pastime is cheering up his less optimistic classmates. He plans to pioneer in rural electrification after graduation.

Seymour L. Weiner

Vice-President of Tau Beta Pi, member of the I.R.E., Seymour is noted for the excellence of his Lab reports. His fellow E.E. classmates know that he will succeed in the field of radio engineering.

Manny Weiss

One of the best artists in the Night School, Manny is one swell guy. At present he is primarily interested in finding a patron and/or a pretty girl . . . or, better still, a combination of the two.

Jerome V. White

Jerry is the EE's *Gedachtniskuenstler* (mnemonist) as seen by his motto, "I have read, therefore I know." He has engaged in all intramural sports, was Secretary of the A.A., plays piano, bridge, baseball and football for money, made TBP and plenty of friends.

Hugh Winton

Quiet, unusually reserved, Hugh was one of the better scholars in the evening engineering class. With a few breaks, essential to everyone, he will be sure of a successful career. His hobby is miniature guided missiles and projectiles.

Philip Yankoschuk

Phil is Cooper Union's delegate to the Metropolitan Conference of Student Chapters of the ASCE. Expresses his quiet sense of humor by drawing his infamous cartoons in the Cooper Survey. He can't wait to graduate and replace exams with nature study.

Charles Yagerman

Charlie is a foreman in production for a small essential oils company at present. He expects to try his hand at designing distillation columns, and hopes to continue study in this field after graduation.

**Sol Zaretsky**

Sol's jump and jive has been the delight of trips to Green. When not heading the Art School volleyball team (he made the all star team) he is busy in YPA and the Dramatic Club. We like his paintings, too.

Solomon Zaromb

Sol is best known for his rigidly mathematical proof involving Bessel functions that one plus one equals 2.00178. He frequents the Chess Club and the A.I.Ch.E. and is a member of A. C. S.

Nicholas Zelinski

Nick is a night electrical engineer. Seems that the day is not long enough to get all the simple things of an EE's life done. Even then he manages to squeeze in a little time for bowling.

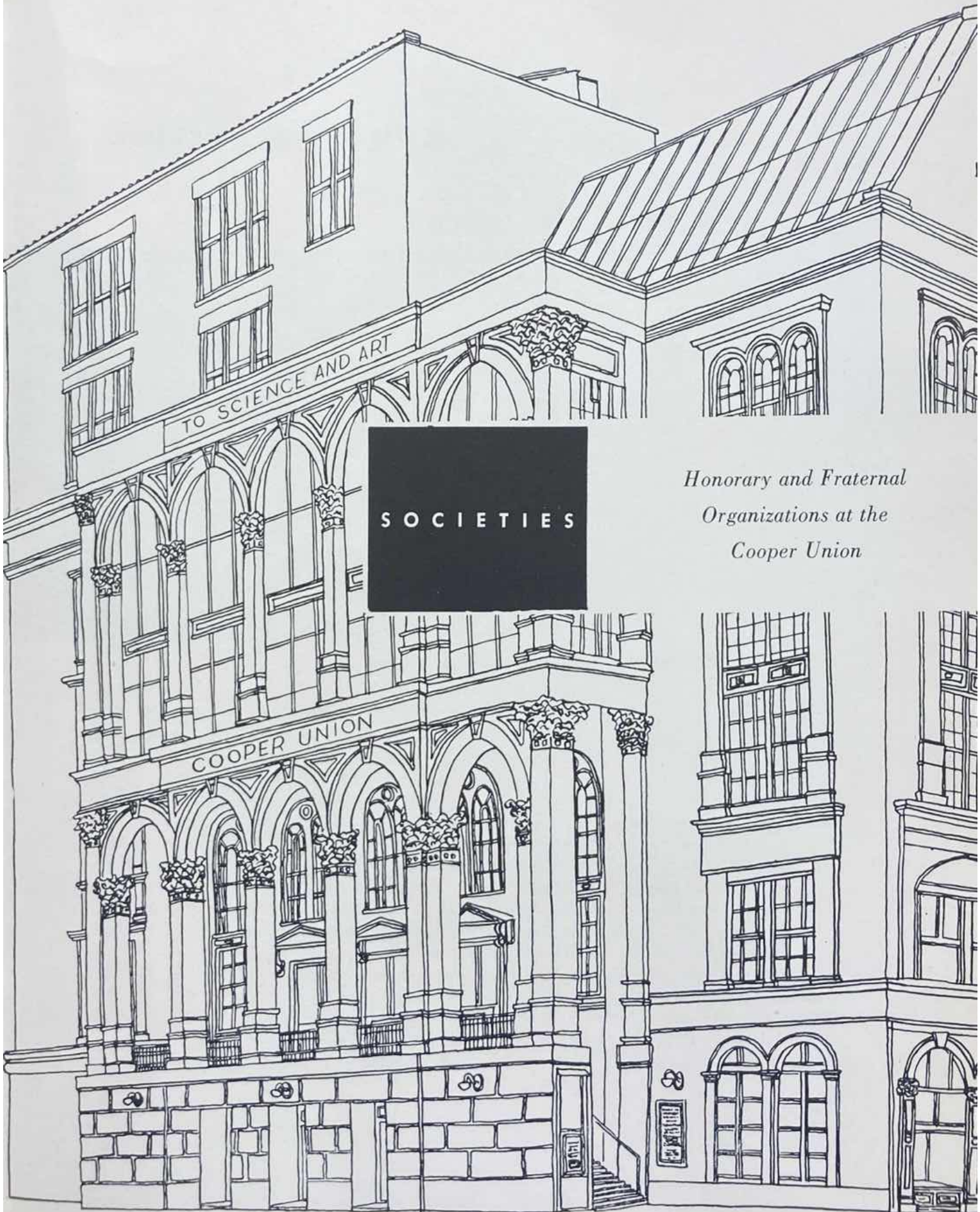
Cornelius P. Zittere

His interests are almost completely concerned with the sea. A member of the ASME and of the Society of Naval Architects and Marine Engineers, even his recreational interests tend toward sailing and fishing.

camera
shy



Sophia Barysewicz
Ruth Bogdlish
Daniel Chaucer
Julia Croft
Eugene Di Paola
Gloria Gentile
Ann Hartter
Harold Hecht
John Hejduk
Leonard Heiferling
Stanley Hirsch
John Kilmartin
Edwin Kosarek
Paul Levy
John Millinchuk
Morton Mintz
Raymond Podolefsky
Saul Rosenblum
Felix Santangelo
Harry Schneider
Leonard Slonevsky
Catherine Smolich
Ellen Strobl
Maureen Sweeney
David Wassertheil
Daniel Woskoff



SOCIETIES

*Honorary and Fraternal
Organizations at the
Cooper Union*

ALUMNI ASSOCIATION



Members of the Alumni Association Governing Board

The Alumni Association has experienced an unprecedented spurt in membership during the past year. With this growth it hopes to reach a position of greater usefulness. It looks to its younger members, among whom the class of 1950 is now taking its place, for fresh stimulus and active participation in all its functions and services to Cooper Union, to its alumni, its students, and to the community.

The purpose of the Alumni Association is twofold. It is to continue to make available for graduates the personal, professional and cultural stimuli provided by the school during their undergraduate years and to repay the debt they owe to Peter Cooper by contributing to the progress of the school for the benefit of succeeding generations of students.

.....

In fulfilling the latter phase of its purpose, the Alumni Association's effort in stimulating contributions to the Cooper Union Fund have been very fruitful. Dr. Burdell, in noting the results of these efforts in his last annual report, observed that there has been an increase of both numbers and amounts of contributions received. "During 1948-49," he wrote, "1,011 contributors gave \$27,379.25 to the Cooper Union Fund, as compared with 901 contributors donating \$10,116.54 during 1947-48."

At this year's Annual Founder's Day Dinner, President William Goldsmith announced a 90th Anniversary gift from the alumni to the school of \$10,000 for the construction of a dam at Green Engineering Camp, which will provide instructional as well as swimming facilities.

Our program of activities is geared to meet the demands of all our members. Along professional lines, for the engineers we have a refresher course in which they can brush up for the Professional Engineer's License Examinations. For the Artists, there is a sketch class which meets weekly to do sketching from life. Regular monthly meetings feature informative addresses on timely subjects of technical or general interest, followed by a social hour. The speakers are often our fellow alumni who have achieved distinction in their respective fields. During the summer, outings to Green Engineering Camp take the place of meetings.

The official publication of the Alumni Association is the "Alumni News" which appears monthly during the academic year. It keeps the members posted on the activities of the Association, the progress of fellow alumni and the developments at school. The clubhouse, on West 53rd Street in mid-Manhattan, is conveniently located for meetings, lectures, and rendezvous with friends. Its lounge is open to members and friends on weekdays and evenings.

The Alumni Association seeks to secure public recognition of the achievements of Cooper Union and its graduates, and to help every student and alumnus into a position where his abilities are put to the best possible use, thus fulfilling Peter Cooper's dream of a powerful influence for good in the community. We of the Alumni Association welcome the class of 1950 into our ranks and their assistance and support in bringing to their fullest realization the hopes of Peter Cooper for a richer life and a better world.

Officers:

President: William Goldsmith
1st Vice-Pres.: Anthony J. Daidone
2nd Vice-Pres.: Adolph J. Wohlgemuth
Secretary: Bernard Last
Treasurer: Hercules C. Cuttica
Editor-in-Chief: Edwin Jastram
Executive Sec.: Flora I. Fergenson

Officers:

President: Norbert Hauser

Vice-President: Seymour L. Weiner

Recording Secretary: Melvin E. Stern

Corresponding Secretary: Eli Reshotko

Treasurer: Frederick L. Warner

Cataloguer: Theodore Merkin

Faculty Advisor:

Frederic H. Miller (NY Iota)

Staff Members:

Giles G. Green (NY Iota)

Walter E. Landauer (NY Iota)

Howard E. Lustig (NY Alpha)

Frank C. Mirgain (Ind. Alpha)

Arthur H. Radasch (NY Iota)

Ernest H. Salter (NY Iota)

Ernest W. Starr (NY Delta)

Norman L. Towle (Mass. Alpha)

William A. Vopat (NY Iota)



Left to Right, Top Row: J. Paduana, M. Silverberg, M. Levitsky, A. Robinson, E. Neidorf, B. Bayman, A. Levine. Middle Row: F. Gettler, L. Chajson, J. Feder, B. Fisher, L. Belkin, A. Jetter, W. Homburger, F. Kirr, D. Hack, L. Brancato. Bottom Row: P. Hoffman, F. Warner, T. Merkin, E. Reiman, N. Hauser, E. Speter, S. Weiner, E. Reshotko, P. Kernan.

TAU BETA PI

Organized "to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering" Tau Beta Pi, the national honorary engineering society, has active chapters in 85 colleges and universities throughout the United States.

The New York Iota Chapter at Cooper Union was founded in 1947, replacing Mu Alpha Omicron, for twenty-one years the Cooper Union engineering honor society. During its first three years of existence, Tau Beta Pi has served the school in many ways, such as the summer tutoring program and the performance of duties for various departments by TBP initiates. To emphasize the importance of humanities in engineering education, an award for excellence in the Humanities was established.

On the theory that all work and no play makes dull Tau Betes, business and pleasure are combined at the gala annual initiation dinner, where faculty members, students, and alumni meet in a pleasant social atmosphere.



Left to Right, Top Row: H. Winton, E. Massey, N. Hauser, R. Lubinski, M. Levitsky, B. Wilner, F. Kirr, J. Engelberg, B. Fisher. Middle Row: F. Warner, H. Hecht, C. Willis, F. Gettler, P. Auerbach, E. Wachspress, J. Malek, Boudez, L. Brancato, S. Dambra. Bottom Row: Prof. Vopat, S. Schlanger, H. Cubberly, Prof. Roemmele, E. Reshotko, J. Verwayen, D. Dayboch, Prof. Kut.

Officers:

President: Eli Reshotko
Vice President: Josef J. Verwayen
Treasurer: Daniel Dayboch
Recording Sec.: Samuel M. Schlanger
Corresponding Sec.: Henry A. Cubberly

Members:

Philip B. Auerbach
 Leonard Belkin
 Leo J. Brancato
 Thomas Buday
 Salvatore A. Dambra
 Joseph Engelberg
 Bernard I. Fisher
 Fredrick W. Gettler, Jr.
 Norbert Hauser
 Harold Hecht
 Frederick M. Kirr
 Myron Levitsky
 Robert A. Lubinski
 Jack H. Malek
 Ernst M. Massey
 Robert Spies
 Eugene L. Wachspress
 Frederick L. Warner
 Clarence J. Willis
 Bernard M. Wilner
 Hugh Winton

PI TAU SIGMA

The Cooper Union Pi Phi Chapter of the Pi Tau Sigma, honorary mechanical engineering fraternity, is a year old this spring. Under the leadership of Professors Vopat and Roemmele, twenty-three outstanding junior and senior mechanical engineering students responded enthusiastically at a meeting in June 1948. The National Convention in January 1949 accepted the petition, and formal installation of the chapter was performed on May 21, 1949.

During the fraternity's first full year of active organization, several notable activities have been either instituted or planned. At the ASME's 26th Annual Christmas Dinner, the chapter awarded Mark's Handbooks to one night and one day initiate who best fulfilled the membership requirements as expressed in Pi Tau Sigma's Constitution. This year's awards were made to Myron Levitsky of the Day School and Clarence J. Willis of the Night School.

Another interesting activity initiated was the requirement that each pledgee serve the Department of Mechanical Engineering in some service capacity for a stipulated number of hours. At the Annual Open House of the engineering school this year, the Chapter cooperated by providing students to act as guides.

Officers:

Chancellor: Edwin F. Gregg
Vice-Chancellor: Irving Hammer
Secretary: Jonas Harrison

Faculty Advisor: Professor Dowden

Lowly Ones:

Leonard Belkin
Sol Brody
Saul Davidson
Alex Demaras
Bernard Fisher
Cyril Freeman
George Fried
Ted Hein
Gerhart King
Helmuth Knapp
Stanky Lazerus
Elizabeth Reiman
Clifford Temes
Chris Young



Left to Right, Top Row: B. Fisher, J. Harrison, C. Freeman, E. Gregg, C. Temes, H. Knapp, S. Brody. Bottom: G. King, A. Demaras, E. Reiman, G. Fried, T. Hein, I. Hammer.

EX POST FACTO

Long an outstanding example of the type of social organization that Cooper Union is not proud to have, Ex Post Facto is delighted to say that many of the Lambda Tau members have been drafted into its organization. With the decease of the Pioneer this year, the full literary and artistic talents of CU have been devoted to the CABLE. Consequently, such notables as Sol Brody, Gerry King, Al Demaras, etc., have been inducted into the organization. Inaugurated many years ago to pay homage to those students who have worked tirelessly and unselfishly and always managed to drop five tenths of a point in cumulative, the society still brags of members of the same caliber.

A new policy has been set this year by its illustrious Chairman, Edwin Gregg. He is proud of the fact that Ex Post Facto has grown from a defunct organization with the members knowing each other only by the Gold Key hanging down from their ears, to a flowering and prolific organization boasting one female member, Elizabeth Reiman (girl, that is), and two magnificent parties each year.

The membership in Ex Post Facto has had a complete turnover, with six new members inducted. It is expected that this new blood will add impetus to the already impetuous society.

We have often wondered what honor there was to the "honorary society of the Pioneer,"¹ Lambda Tau.² It seems to have something to do with honor among thieves.

Not having to bother with a "rag"³ this year, the mob has branched out. bfishermgr⁴, and Stan Kugler have been kept busy hauling the oft sodden, prostrate form of S. O. B.⁵ (the only man ever to be appointed to the elected office of chancellor) out of the McSorley Branch of C. U.⁶

With the money realized from the sale of the Aga Khan jewels (viz. Sloppy Spool⁷ and Fingers Belkin⁸) a party was thrown December 4. Everybody ducked. Better the Aga got back his jewels. But if that was bad, wait till Brinks finds his money was wasted on the March 25 induction.

¹ Prehistoric school publication, now moribund.

² Honorary society of the Pioneer,¹ formerly the TLMAFOWLCAMS*

³ Colloquialism—scandal sheet, yellow journal, Pioneer,¹ the girl friend's apparel

⁴ An unprintable epithet. H. L. Mencken refers to it as a Bernard Fisher.

⁵ A brother of Jerry Brody.

⁶ Offers the highest vitamin count ale in the city

⁷ Known locally as Little Jimmy, Boy Booky.

⁸ Lenny comes from a rich family, he was born with 17 fingers.

* This one has us stumped too (the editors)

LAMBA TAU

Left to Right, Bottom to Top, First Row: B. Fisher, S. O. Brody, C. Freeman, S. Kugler, M. Calman. Second Row: W. Warshofsky, J. Engleberg, H. Knapp, I. Hammer, G. King. Third Row: A. Demaras, L. Belkin, W. Michael, H. Margolis, H. Goldseger. Fourth Row: M. Siegel, A. Klein, J. Spool, W. Kahn, J. Harrison, D. Bass.



Officers:

Chancellor: Sol Brody
Vice-Chancellor: Stanley Kugler
Secretary: Cyril Freeman
Treasurer: Bernard Fisher
Faculty Advisor: Prof. W. B. Emblar

Henchmen:

Don Bass
Leonard Belkin
Michel Calman
Alex Demaras
Joseph Engelberg
Harold Goldseger
Irving Hammer
Jonas Harrison
Walter Kahn
Gerhart King
Helmuth Knapp
Harry Margolis
William Michael
Marvin Siegel
James Spool
Willard Warshofsky



Officers:

President: Richard Sobel
Vice-President: Gustave Weiss
Secretary: Elizabeth Reiman
Treasurer: Benjamin Bayman
Faculty Advisor: Prof. J. M. Peterson

Left to Right, Top Row: E. Hilsinger, S. Dumovich, B. Gordon, D. Schwartz, H. Serenbetz, L. Kraus, M. Turkin, Prof. J. M. Peterson, Middle Row: R. Graven, J. Siwik, J. Feder, S. Lazerus, J. Chajson, M. Schaffer, W. Sullivan, J. Proctor, R. Foss, G. Weiss. Bottom Row: A. Trujillo, S. Brody, R. Keats, A. Dworetzky, E. Reiman, S. Zaromb, C. Gordon, L. Souzis.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

The student chapter of the American Institute of Chemical Engineers uses films and outside speakers to familiarize the future chemical engineers with their intended field, including its methods of research, testing, pilot plant operation, its main industries, and the kind of equipment and personnel it requires. Since Plant Trips are now a separate senior course, they are no longer part of the chapter programs. Older members miss the annual inspection trip to Ruppert's Brewery, where the product of the house is traditionally dispensed by the host.

The main high point of the year is the traditional freshman reception which, by now, has become the one day on which the department's students express their views. As many skits as time will allow usually lampoon the instructors, the subjects, the accuracy of analyses, and the dangers involved. This year's Reception, written by Fred Dolgon and Mike Zonis, two enterprising juniors, was one of the best any of the students can remember having been written. Contrary to habit, it was conceived quite a few weeks before the big day, rather than on the same morning or while another part was already in progress in front of the curtains.

Officers:

Chairman: Paul Kernan
Vice-Chairman: John Nolan
Treasurer: Norman Falk
Secretary: William Evers



Left to Right, Top Row: *W. Warshofsky, J. Priest, A. Romagnoli, R. Spahn, G. Walter, H. Kahn, G. Wrage, P. Hoffman, P. Redmond, J. White, H. Spett, R. Kanzler, L. Kent, H. Rosenberg, J. Bradinger, L. Green.* Middle Row: *L. Libelo, T. Kociuba, H. Ausfresser, G. Kaufman, B. Novack, B. Ohlmann, J. Sable, J. Acker, A. Klein, E. Neidorf, H. Dropkin, G. Evans, I. Lowe, J. Spool, H. Knapp, S. Roth.* First Row: *J. Nolan, P. Kernan, N. Falk, O. Boscia, G. Ehrenstein, C. Temes, M. Kerman, I. Hammer.*

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

The past year has been one of the most successful in the history of the Cooper Union Student Branch of the AIEE. The success, manifested by a membership of more than sixty students, a hundred percent increase over the preceding year, can be attributed to the vitalized policy which the Branch has put forward.

The post-war period has produced a more mature student whose interests and problems are more clearly defined than ever before. With these criteria in mind the Executive Committee of the Branch, under the leadership of its chairman, Paul Kernan, and its vice-chairman, John Nolan, set out to arrange a suitable program for the year.

The outstanding feature of this year's program was the newly initiated series of lectures on "Problems Facing the Young Engineer" delivered by recent graduates. Other activities included the showing of films and inspection trips to various plants such as the cable factory of the Western Electric Co., the Dumont television receiver plant, the Waterside Station of the Consolidated Edison Co., and the electric motor plant of the Crocker Wheeler Co. The final event of the year was the district meeting of the nine metropolitan student branches where the prize-winning papers of the Annual Prize Paper Contest for AIEE student members were presented by their authors.

Officers:

President: Joseph A. Paduana
Vice-President: Leon J. Laster
Secretary: Harry N. Wenke
Treasurer: Norman Feldman
Faculty Advisor: Professor Green



Left to Right, Top Row: H. Margolis, S. Haug, T. Merkin, R. Kalin, F. Kovacich, G. Adams, E. Cavello, O. Benton, R. Lenz. Middle Row: R. Schwab, C. Garbe, H. Von Spreckelsen, D. Kirchofer, M. Siegel, P. Parisi, P. Yankoschuk, W. Homberger, J. Hornik. Bottom Row: D. Bass, J. Sackman, H. Semmel, N. Feldman, J. Paduana, R. Bowden, L. Laster, H. Sherman, G. King, T. Hein.

AMERICAN SOCIETY OF CIVIL ENGINEERS

The student chapter of the American Society of Civil Engineers serves as a tie between civil engineering students and the profession they will soon enter. The chapter does this by engaging in many professional and social activities.

This large number of activities is made possible by the wide participation of the members, approximately half of whom are on the various committees. To increase interest still further, associate membership for freshmen has been inaugurated.

At the regular bi-weekly meetings talks on topics of current interest are given by professional engineers, faculty, and students. Students are encouraged by awards offered for outstanding presentations to give papers from their own experience. Field trips are made periodically, the last of which was a guided tour of the construction work at the new United Nations site.

Professional activities are supplemented by social affairs. The success of last year's Annual Dinner established a precedent for future years. During the fall semester freshmen civil engineers were introduced to the faculty in the sociable atmosphere of the Freshman Reception. A co-ed trip to Camp Green over the Thanksgiving recess was an outstanding event on the social calendar. The activities of the Society are reported in the "Cooper Survey."

One of the most active engineering societies at Cooper, the Day Student Branch of the American Society of Mechanical Engineers, exists to aid the professional development of the student through a program of student paper presentation, field trips, technical movies, and talks by prominent men on pertinent subjects, engineering and otherwise.

Conventions are one of these functions of a society, a function at which papers are presented and ideas are exchanged. The Metropolitan Student Convention, held this year at NYU, was very successful. As was expected, Cooper students brought back to Astor Place some of the prize money awarded for student paper presentation.

Highlighting the Fall semester's activity was the 26th Annual ASME Christmas Dinner, which was attended by well over a hundred students, alumni, and instructors. Al Soffler, Chairman of the Dinner Committee, aided by an able staff, insured the evening's success with a program having as a guest speaker Prof. Eastham of the Math. Department, folk songs by the M. E. Department's troubadour, Floyd Hasselriis, and free beer — which ran out far too early in the evening.

Highlighting the Spring Semester's activity was the overnight trip to the steel mills at Bethlehem, Pa.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

First Row: E. Gregg, M. Levitsky, F. Kirr, L. Mordfin, F. Warner Chairman, E. Bogusz Honorary Chairman, K. Richter, J. Malek, S. Krumbholz. Second Row: M. Lopatn, E. Reshotko, R. Horky, C. Michelini, C. Freeman, B. Fisher, J. Engelberg, S. Schlanger, E. Wachspress, A. Messing. Third Row: J. Nugent, D. Reiff, A. Haughwout, S. Tenenbaum, A. Soffler, E. Rubinstein, N. Hauser, D. Ditmars, A. Kaplan.



Officers:

Student Chairman: Frederick L. Warner

Vice-Chairman: Robert Spies

Secretary: Frederick M. Kirr

Treasurer: Lester Katz

Honorary Chairman:

Mr. Edward Bogusz

With the return of the pre-war fraters, and the subsequent pledging of new students, Alpha Mu Sigma rapidly expanded, until today, it is one of the most active organizations on the campus. As soon as five men were available, AMS entered the Basketball Intramurals. This year, the fraters entered both a volleyball and basketball team. In addition, AMS provided entertainment for a varsity basketball game both last year and this year.

Last December, after combing the neighborhood from Chinatown to Union Square, and from river to river, the fraters finally located a house. Our social program suddenly expanded by leaps and bounds. In addition to parties with House Plans and Sororities from nearby colleges, drag parties are held whenever the occasion warrants it (and many times when it does not).

Under the leadership of our Grand Prior Eddy Gregg, all the chapters of AMS have been brought together at the Alpha House to discuss such problems as combining social and athletic activities, publishing a fraternity newspaper, encouraging Alumni Affairs, and revising the national constitution.

Fratre in Facultate: Howard J. Strauss

Officers:

Prior: Seymour Clark
Vice-Prior: Harry Bernstein
Exchequer: Seymour Stein
Recording Scribe: Marvin Siegel
Corresponding Scribe: Stanley Hirsch

ALPHA MU SIGMA

Fratres in Collegio:

Harry Bernstein
 Seymour Clark
 Gerald Ehrenstein
 Richard Ehrlich
 Norman Feldman
 Edwin F. Gregg
 Stanley S. Hirsch
 Sheldon Heller
 Morton Jacobs
 Seymour Katzman
 Paul Liebman
 Herbert Lubitz
 Jack Nudelman
 Jack M. Pedowicz
 Dave Reiff
 Leo Rettig
 Harry Rosenberg
 Morris Rosenberg
 Edward Schecker
 Marvin Schnapp
 Dan Schwartz
 Marvin Siegel
 Stanley M. Stein
 Cliff Temes

Left to Right, Top Row: N. Weldman, J. Nugent, L. Rettig, D. Schwartz, S. Heller, G. Ehrenstein. Middle Row: E. Schecker, R. Ehrlich, M. Jacobs, D. Reiff, C. Temes, H. Lubitz, P. Leibman, H. Rosenberg, M. Schnapp. Bottom Row: M. Siegel, S. Clark, E. Gregg, H. Bernstein, S. Hirsch.





Left to Right, Top Row: A. Klein, S. Tannenbaum, B. Gordon, J. Franklin, M. Traite. Middle Row: L. Laster, L. Lubello, G. Silbermann, G. Kaufman, S. Lazerus, H. Kleinman, J. Oxley. Bottom Row: D. Bass, C. Freeman, G. Wrage, B. Fisher, A. Trujillo, B. Warshofsky, J. Goodman, M. Kerman, I. Hammer.

LAMBDA SIGMA KAPPA

Since its inception in 1905, the Keystone of Lambda Sigma Kappa has been non-sectarianism. It is a keystone that has been strengthened through the years by the friendship and loyalty of the brothers within the fraternity and the ability of the brothers to act in concert, as well as individually to serve the school.

Each year, "open smokers" are held, at which time eligible pledges are selected by the brothers to perpetuate the fraternity and its ideals. At these sessions the students are also encouraged to examine the organization and to inspect its policies and principles to see how well they compare with their own. Those selected are asked to pledge for the fraternity until they are proven worthy of membership in Lambda Sigma Kappa.

During the school year, fraters and pledges alike participate in our social and athletic activities. Teams are entered in all the intramural tournaments. In the social field, Lambda Sigma Kappa entertains various sororities and house-plans in its "luxurious" fraternity house. When the "get away from it all" attitude prevails, the fraternity sponsors trips to Green Engineering Camp, where no distinction is made between brothers and pledges.

Fratres in Facultate

Prof. J. M. Peterson (*Faculty Advisor*)
Prof. H. F. Roemmele
Prof. H. W. Merritt
Prof. W. A. Vopat
Mr. S. Levander

Officers:

Ruler: Anthony Trujillo
Vice-Ruler: George Wrage
Treasurer: Leon Laster
Recording Sec.: George F.H. Silbermann
Corresponding Sec.: George Kaufmann

Fratres in Collegio:

Donald Bass
William Beck
Bernard Fisher
Jerrold Franklin
Cyril Freeman
William Gordon
Irving W. Hammer
George Kaufmann
Max Kerman
Albert Klein
Harold Kleinman
Leon Laster
Louis Libelo
Stanley Lazerus
John Oxley
George Silbermann
Sol Tenenbaum
Max Traite
Anthony Trujillo
Willard Warshofsky
George Wrage



Left to Right, Top Row: R. Keates, T. Ramoino, J. Hilzinger, R. Ronchetti, R. Kalin, C. Michelini, J. Nolan, S. Krumbholtz, T. Kociuba, Gary Evans, A. Benton. Middle Row: E. Covello, J. Hornik, R. Horky, A. Romagnolia, C. Apsley, H. Von Spreckelsen, P. Parisi, A. Haughwout, A. Pawlak, R. Ravenhall, M. Lynch. Bottom Row: W. Evers, R. Foss, J. Priest, R. Spann, O. Taccogna, C. Garbe, R. Ohlmann, R. Graven, T. Hein, W. Haflin.

Delta Chapter

John E. Nolan	<i>President</i>
Paul A. Parisi	<i>Vice-President</i>
Stanley G. Krumbholz	<i>Secretary</i>
Arthur J. Pawlak	<i>Treasurer</i>

Joseph Agresta
 J. Carl Apsley
 Emmett Covello
 Gary Evans
 William Evers
 Carl Garbe
 Richard Graven
 William Haflin
 Theodore Hein
 J. Ed. Hilzinger
 Robert Kalin
 Richard Keates
 Thomas Kociuba
 Stanley Krumbholz
 Jack Meienberg
 Casimiro Michelini
 Robert Ohlmann
 Paul A. Parisi
 Arthur Pawlak
 John Priest
 Thomas Ramoino
 Richard Ravenhall
 Albert Romagnoli
 Robert Ronchetti
 Robert Spann
 Oscar Taccogna
 Henry Von Spreckelsen
 Fred Von Zabern

OMEGA DELTA PHI - DAY

At the turn of the century Omega Delta Phi Fraternity was founded. A group of students at Cooper Union, motivated by the desire to strengthen the friendships made at school, were the nucleus of the organization. After five years, their success being realized, an Alumni body was established so that the graduates could devote their time to furthering the cause and allowing the undergraduate members a freer hand in the chapter management.

In 1913, the Articles of Incorporation were granted to the brotherhood by the State of New York. Two years later, the original evening school body was granted a charter as Alpha Chapter of Omega Delta Phi. Since that time, the fraternity has continued to expand with the result that it now has four chapters throughout the New York area. Beta Chapter at Brooklyn Polytech was formed and granted a charter soon after Alpha received its charter. With the opening of the Day School at Cooper Union, it was befitting that Omega Delta Phi aid in student development, and consequently in 1928, the Day School group received a charter as Delta Chapter.

Alpha Chapter

Ernest G. Feher	<i>President</i>
Michael Gurrasi	<i>Vice-President</i>
Anthony Tompos	<i>Secretary</i>
Philip Beischer	<i>Treasurer</i>

Leon Ballero
 Philip Beischer
 Alfred Bizjak
 Everett Carr
 David Curry
 Nick Damaskos
 Sahag Dardarian
 Ernest Feher
 Ernest Goodness
 Michael Guarrasi
 Richard Julick
 Paul Loras
 John F. MacNair
 Robert E. McMullin
 Edward P. McMullin
 Antonio Melchiorre
 Peter Peters
 Francis P. Rinallo
 Carl Sardella
 Anthony Tampas
 Howard T. Wright



Left to Right, Standing: L. Ballero, C. Sardella, A. Bizjak, N. Xikes, E. McMullin, J. Churko, R. McMullin, P. Loras, A. Melchiorre, J. McNair, N. Damascus, R. Zulick.
 Sitting: S. Dardarian, D. Curry, M. Guarrasi, E. Feher, P. Beischer, A. Tompos.

OMEGA DELTA PHI - NIGHT

Chapters:

Alpha: Cooper Union Evening
Beta: Brooklyn Polytech
Gamma: N. Y. U.

The last charter was granted in 1935 to a group of students at Brooklyn College, which became Epsilon Chapter. The ideals and purposes of the founders have been adhered to, and it is upon these principles that the strength of the fraternity is built.

At the beginning of the school year, "Open House" is held on several occasions for the incoming freshmen. The purpose of these receptions is to alleviate any uncertainty and set the men at ease. Alumni and upper classmen aid by talks and informal associations, etc., climaxed by a light lunch. Thus the barriers are lowered and the newcomers made to feel at home.

On Saturday night, informal dances are held at the Fraternity House and occasionally there are stag smokers. During the year, two all-chapter formals are held. Last fall's formal, held at the Hotel Vanderbilt was one of the most successful. The social season is climaxed in June by the annual convention.

Students are pledged for a minimum of one semester, but cannot be considered for membership unless they have completed successfully one year's work at Cooper Union. New men are urged to consider fraternity affiliations.



Left to Right, Top Row: R. Keates, T. Ramoïno, J. Hilzinger, R. Ronchetti, R. Kalin, C. Micheline, J. Nolon, S. Krumbholtz, T. Kociuba, Gary Evans, A. Benton. Middle Row: E. Covello, J. Hornik, R. Horky, A. Romagnolia, C. Apsley, H. Von Spreckelsen, P. Parisi, A. Haughwout, A. Pawlak, R. Ravenhall, M. Lynch. Bottom Row: W. Evers, R. Foss, J. Priest, R. Spann, O. Taccogna, C. Garbe, R. Ohlmann, R. Graven, T. Hein, W. Haflin.

OMEGA DELTA PHI - DAY

At the turn of the century Omega Delta Phi Fraternity was founded. A group of students at Cooper Union, motivated by the desire to strengthen the friendships made at school, were the nucleus of the organization. After five years, their success being realized, an Alumni body was established so that the graduates could devote their time to furthering the cause and allowing the undergraduate members a freer hand in the chapter management.

In 1913, the Articles of Incorporation were granted to the brotherhood by the State of New York. Two years later, the original evening school body was granted a charter as Alpha Chapter of Omega Delta Phi. Since that time, the fraternity has continued to expand with the result that it now has four chapters throughout the New York area. Beta Chapter at Brooklyn Polytech was formed and granted a charter soon after Alpha received its charter. With the opening of the Day School at Cooper Union, it was befitting that Omega Delta Phi aid in student development, and consequently in 1928, the Day School group received a charter as Delta Chapter.

Delta Chapter

John E. Nolan	
Paul A. Parisi	<i>President</i>
Stanley G. Krumbholz	<i>Vice-President</i>
Arthur J. Pawlak	<i>Secretary</i>
	<i>Treasurer</i>

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 J. Carl Apsley
 Emmett Covello
 Gary Evans
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 Richard Graven
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 Casimiro Micheline
 Robert Ohlmann
 Paul A. Parisi
 Arthur Pawlak
 John Priest
 Thomas Ramoïno
 Richard Ravenhall
 Albert Romagnoli
 Robert Ronchetti
 Robert Spann
 Oscar Taccogna
 Henry Von Spreckelsen
 Fred Von Zabern

Alpha Chapter

Ernest G. Feher	<i>President</i>
Michael Gurrasi	<i>Vice-President</i>
Anthony Tompos	<i>Secretary</i>
Philip Beischer	<i>Treasurer</i>

Leon Ballero
 Philip Beischer
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 Everett Carr
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 Sahag Dardarian
 Ernest Feher
 Ernest Goodness
 Michael Guarrasi
 Richard Julick
 Paul Loras
 John F. MacNair
 Robert E. McMullin
 Edward P. McMullin
 Antonio Melchiorre
 Peter Peters
 Francis P. Rinallo
 Carl Sardella
 Anthony Tampas
 Howard T. Wright



Left to Right, Standing: L. Ballero, C. Sardella, A. Bizjak, N. Xikes, E. McMullin, J. Churko, R. McMullin, P. Loras, A. Melchiorre, J. McNair, N. Damascus, R. Zulick.
 Sitting: S. Dardarian, D. Curry, M. Guarrasi, E. Feher, P. Beischer, A. Tompos.

OMEGA DELTA PHI - NIGHT

Chapters:

Alpha: Cooper Union Evening
 Beta: Brooklyn Polytech
 Gamma: N. Y. U.

The last charter was granted in 1935 to a group of students at Brooklyn College, which became Epsilon Chapter. The ideals and purposes of the founders have been adhered to, and it is upon these principles that the strength of the fraternity is built.

At the beginning of the school year, "Open House" is held on several occasions for the incoming freshmen. The purpose of these receptions is to alleviate any uncertainty and set the men at ease. Alumni and upper classmen aid by talks and informal associations, etc., climaxed by a light lunch. Thus the barriers are lowered and the newcomers made to feel at home.

On Saturday night, informal dances are held at the Fraternity House and occasionally there are stag smokers. During the year, two all-chapter formals are held. Last fall's formal, held at the Hotel Vanderbilt was one of the most successful. The social season is climaxed in June by the annual convention.

Students are pledged for a minimum of one semester, but cannot be considered for membership unless they have completed successfully one year's work at Cooper Union. New men are urged to consider fraternity affiliations.

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Deputy Grand Master:

John Dewender

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Exchequer: John G. Cubero

Faculty Advisor: Mr. Skrotzki

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Frank Brusasco
Gene Campagna
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Arthur Mann
Philip Matcovich
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Richard Parsekian
Tony Ragozzino
George Sabol
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William Setzler
James Weidenman



Left to Right, Top Row: N. Kulba, G. Geisenhainer, J. Cubero, T. Ragozzino, T. Lubenau, J. Langenhop. Middle Row: F. Conte, A. Berberich, R. Laird, R. Hoehn, J. Lawlor, W. Setzler. Bottom Row: W. Lindenfelser, R. Hermida, H. Cubberly, L. Korosy, E. Campagno, A. Semmelroth. In Front: F. Hutchinson.

PHI SIGMA OMEGA

The aims of the Phi Sigma Omega fraternity since its origin in 1926 have been to foster friendships among the evening students and aid its members in their individual professional development. Its members are leaders in practically all the activities, clubs, and engineering societies open to evening students.

Charles A. Gallaer, a PSO man, was awarded the Dickinson prize last year, given annually to the evening engineering student with the highest cumulative rating at graduation.

An efficiently run, independent corporation, PSO has its nerve center at the Fraternity House at 31 East 7th Street. During the school year, and all through the summer, the brothers are to be found together in many social, athletic and cultural activities.

This June some deserving students will become the recipients of the recently established annual Phi Sigma Omega Scholarship Award for the best record for the first two years' work in the Evening Engineering School.

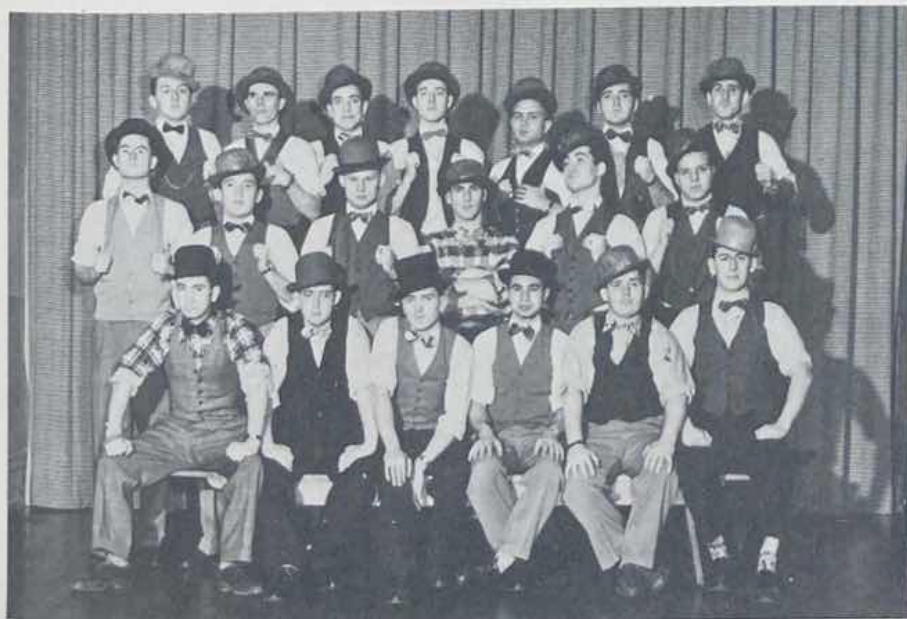
Sigma Kappa Tau is young in years, having been founded in the spring of 1947 by a group of engineering students who were dissatisfied with the existing conditions in school groups at the time. SKIT is a non-sectarian organization, believing that the fundamental bond of fellowship and common interest, diligently cultivated, will result in the most satisfactory relationship among mankind. The primary aim of Sigma Kappa Tau is to foster good fellowship among its members. Another important aim of the fraternity is to promote interest in the Cooper Union, and all its student activities.

Fraternal life is the natural outcome of a group of students working together. When a school is situated on the subway run, the student misses the social experience of living with a group of his fellows. SKT has attempted to alleviate this need through its social affairs, meetings, and projects to enrich school life. The opportunity to meet members of the opposite sex is provided by contacts throughout the city with numerous sororities and house plans.

SKT believes that a suitable amount of time devoted to social activities is a long forward stride in the direction of good citizenship. The idea of fraternity, or brotherhood, is strongly interwoven with this concept.

SIGMA KAPPA TAU

Left to Right, Top Row: M. Silverman, W. Horozan, H. Spett, R. Kanzler, A. Boscia, S. Kaufman, A. Acker. Middle Row: M. Zonis, B. Novack, H. Hublein, P. Goodman, C. Schneider, E. Godwin. Bottom Row: C. Gordon, A. Chajes, W. Edge, I. Herschkowitz, J. McHale, E. Neidorf.



Fratre in Facultate:

Frank St. M. Caldiero

Officers:

President: Walter H. Edge

Vice President: Jesse L. Acker

Corresponding Secretary:

Philip Goodman

Recording Secretary: William Horozan

Treasurer: Bernard Novack

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Archie Boscia

Al Chajes

Walter H. Edge

Edward Godwin

Philip Goodman

Charles Gordon

Israel Herschkowitz

William Horozan

Harold Hublein

Robert J. Kanzler

Sidney Kaufman

John McHale

Edward Neidorf

Bernard Novack

Charles Schneider

Murray Silverman

Harry Spett

Meyer Zonis

BETA RHO BETA

Residue From Last Year

Cy Freeman

Vice-Chancellor

Saul Davidson

Sub Vice-Chancellor

Ed Gregg

Sub Vice-Chancellor

Stan Lazarus

Photographer-Mascot

Bernie Fisher

Sub-Mascot



Left to Right, Top Row: S. Lazarus, E. Gregg, S. Davidson. Bottom Row: C. Freeman. Under Bench: B. Fisher.

Beat your breasts and cry to the sky. Cast off your clothes and put on sackcloth. B. R. B. has passed out of our lives never to return. These noble spirits, that enlightened brotherhood, at the same time exalted and demented, of the clay and of the spirit. The denizens of the Bowery can now reclaim their ancient habitat, for the last of these irreplaceable zanies is soon to be thrown upon the unprepared world. No longer will sprightly latrine poetry grace the appropriate walls of Cooper. No longer will our halls ring with female shrieks, alternately of delight and despair, for B. R. B. is dead. Long live the termites.

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Cable

Dear Reader:

Here at the end, where you will find it after reading the book, and passing what we hope is a favorable judgment, the editor traditionally reserves a page in which he may editorialize.

Usually it is the custom for the editor to use this space to express his deep appreciation to all the many, who, out of a desire to serve their school and its student-body, have kindly and graciously contributed and assisted in the production of this publication. For the last several years, these words of thanks became a mockery. The staff of THE CABLE has been dwindling in the same proportion as have the subscriptions to the Activities Plan, until finally, this year, concurrent with the demise of the A.P., the Cable was produced almost wholly by the members of the editorial staff, with practically no other student assistance.

To these few, these very few, our appreciation cannot be expressed too deeply. It is they, who, without the help of the general student body, and often in spite of it, made considerable personal sacrifices so that THE CABLE tradition would be perpetuated.

The production of a yearbook involves a tremendous amount of work. It is not something that can be heaped upon the shoulders of the few, without affecting the quality of the book. Our school, with its large reservoir of untapped literary and artistic talent, should be able to produce an outstanding yearbook - one which would be truly representative of the innate abilities of the Cooper Student. But this can be achieved only by active participation of a large portion of Cooper's student body.

As to the future of the yearbook, it depends entirely upon the student body. If there is a revival of student participation in extracurricular activities, supported and aided by faculty interest, then we are sure that the staff nucleus remaining will be able to build a successful organization.

Sincerely yours,

Irving W. Hammer

Editor-in-Chief



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Sasonkin, Phyllis P.	381 East 46th St., Brooklyn 3
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Schlesinger, Joyce T.	1145 East 10th St., Brooklyn 30
Schneider, Charles	339 East 53rd St., Brooklyn 3
Schneider, Harry	690 Saw Mill River Rd., Ardsley
Schulz, Joseph F.	600 Buena Vista Way, Wyckoff, N. J.
Schumm, Frederick R.	259 Hancock Ave., Jersey City 7, N. J.
Schurer, Joan A.	483 Amsterdam Ave., New York 24
Schwartz, Bernice	599 West 190th St., New York 33
Selby, Arnold R.	80 East Seventh St., New York 3
Semmelroth, Albert N.	1919 East 15th St., Brooklyn
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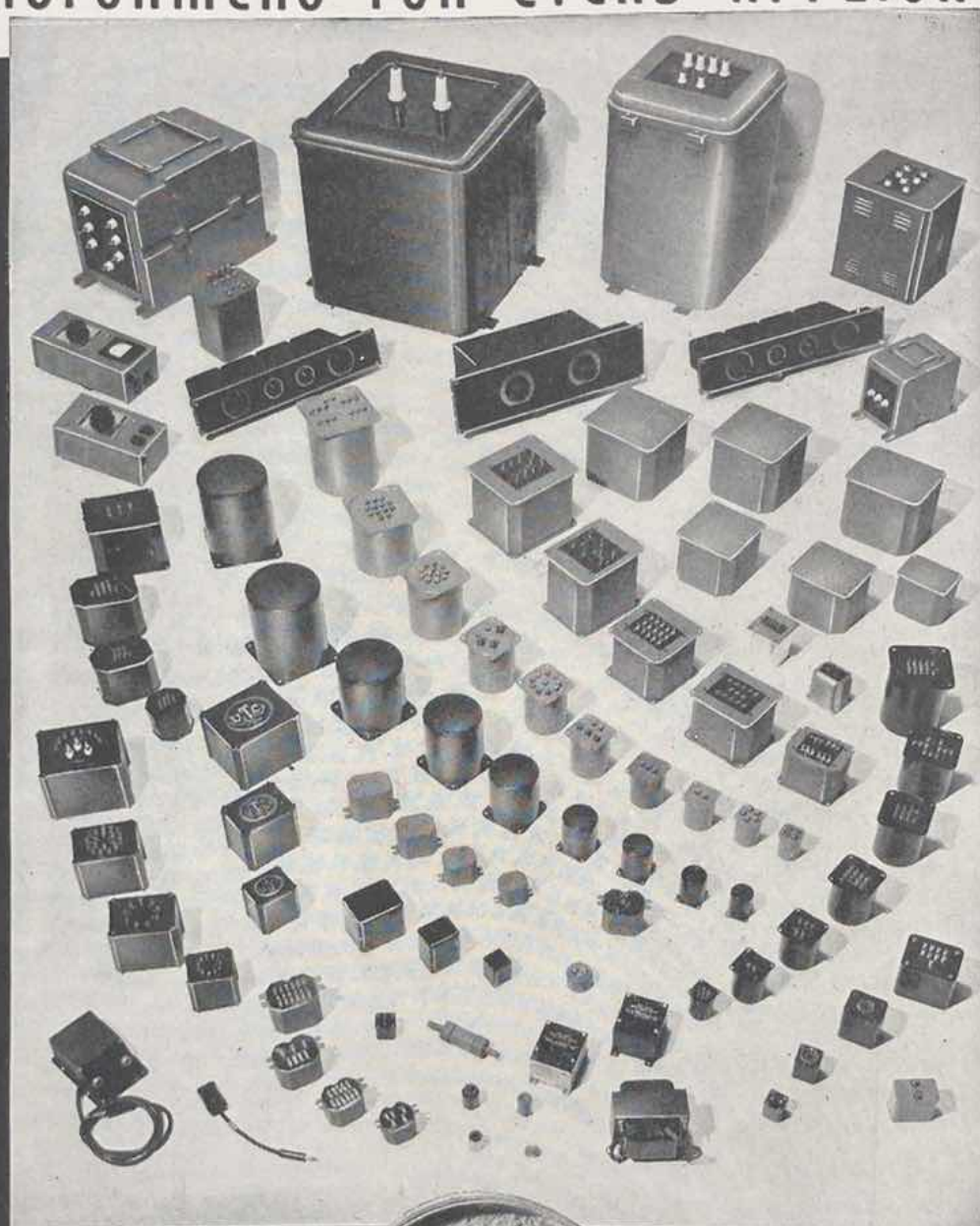
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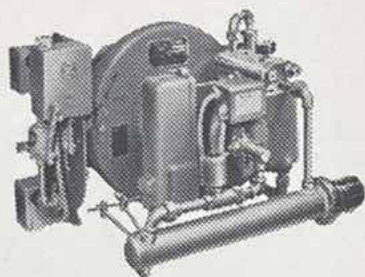
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Slonevsky, Leonard	538 East Sixth St., New York 9
Slutsky, Morton J.	59 Mt. Vernon Ave., Mt. Vernon
Smith, Yvonne L.	78-19 80th St., Glendale
Smolich, Catherine M.	90-48 179th St., Jamaica 3
Sobel, Richard	2522 Olinville Ave., New York 67
Sordini, Alberta M.	233 Naples Terrace, New York 63
Spann, Robert G.	103 Chester St., Mt. Vernon
Speter, Evelyn B.	1434 Ocean Pkwy., Brooklyn 30
Spett, Harry	705 West 179th St., New York 23
Spool, James	116-65 Farmers Blvd., St. Albans 12
Stamler, Leo	522 East 20th St., New York 9
Steckel, Jordan B.	108 Field Pl., New York 53
Steinbeck, Elizabeth K.	825 East 175th St., New York 60
Stern, Melvin E.	1258 Elder Ave., New York 59
Strobl, Ellen M.	123 West 13th St., New York 11
Surmach, Gloria O.	2412 96th St., East Elmhurst
Sweeney, Maureen E.	42 Highland Rd., Stamford, Conn.
Sweny, Wilbur M.	3817 Carpenter Ave., New York 67
Tenenbaum, Sol	1945 Vyse Ave., New York 60
Tomczuk, Helen B.	55 Prospect Pk. Southwest, Brooklyn 15
Trachtman, Blanche	139 East 19th St., New York 3
Travis, Harrison O. Jr.	50-37 208th St., Bayside
Trujillo, Anthony P.	326 East 13th St., New York 3
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Tuba, Stephen A.	307 East 77th St., New York 21
Turken, Marvin	22 Bartlett St., Brooklyn 6
Tyree, Betsy F.	96 Perry St., New York 14
Vaselopoulos, Leon	1364 Teller Ave., New York
Verwayen, Josef J.	125 Van Wagenen Ave., Jersey City, N. J.
Von Spreckelsen, Henry H.	4418 Fifth Ave., Brooklyn 20
Von Zabern, Fred W. Jr.	147-18 72nd Dr., Flushing
Wachspress, Eugene L.	3216 Fenton Ave., New York 67
Walcutt, Clifford A.	73 Gregory Ave., Mt. Kisco
Walling, George J.	341 East 50th St., New York 22
Walters, Nina L.	218 East 188th St., New York 58
Warfield, Nancy D.	535 Hudson St., New York 14
Warner, Frederick L.	270 Parkside Ave., Brooklyn 26
Warshofsky, Willard L.	365 Amboy St., Brooklyn
Wassertheil, David	171 West 79th St., New York 24
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Weiner, Seymour L.	30-60 48th St., Long Island City 3
Weiss, Manny	92 Lewis St., New York 2
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Wirfel, William M.	66-32 Fresh Pond Rd., Ridgewood
Woskoff, Daniel M.	2111 Avenue Z, Brooklyn 29
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At the Close of Business, December 31, 1949

ASSETS

Cash in Vaults and Due from Banks	\$234,791,082.30
U. S. Government Securities	466,541,652.18
State, Municipal and Public Securities	17,454,504.56
Federal Reserve Bank Stock	1,200,000.00
Other Securities	849,940.00
Loans and Discounts	83,708,839.15
Real Estate Mortgages	564,545.26
Customers' Liability on Acceptances	564,592.98
49 Banking Houses	7,580,776.64
Accrued Income Receivable	1,969,628.06
Other Assets	260,203.04
	<u>\$815,484,764.17</u>

LIABILITIES

Capital (750,000 Shares of \$20 Par Value)	\$15,000,000.00
Surplus	25,000,000.00
Undivided Profits	6,529,488.78
	<u>\$ 46,529,488.78</u>
Reserve for Taxes, Expenses, etc.	1,142,132.90
Acceptances Outstanding	\$ 1,546,140.24
Less: Held in Potrfolio	539,906.61
	<u>1,006,233.63</u>
Deposits	766,806,908.86
	<u>\$815,484,764.17</u>

(Includes \$13,597,219.77 U. S. Deposits)

MEMORANDUM:

U. S. Securities pledged to secure deposits and for other purposes as required by law \$ 22,136,174.66

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